



WORLD'S LEADING AIR CONDITIONING
COMPANY FROM JAPAN



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Disclaimer

As a continuing policy of product innovation at Daikin, the design and specifications are subject to change without prior notice. The visuals of the products in the brochure are representative only, actual products might differ from the ones shown.

'Products mentioned in this brochure comply with RoHS regulations as per E-waste (Management & Handling) Rules, 2011 and should not be mixed with general household waste at the end of their useful life.' For more details kindly visit our website www.daikinindia.com or contact our customer care centre at 011-40319300/1860 180 3900.

DAIP-2022/26-7/SA-1B

Light Commercial Catalogue

Best-of-designs with High-efficiency.



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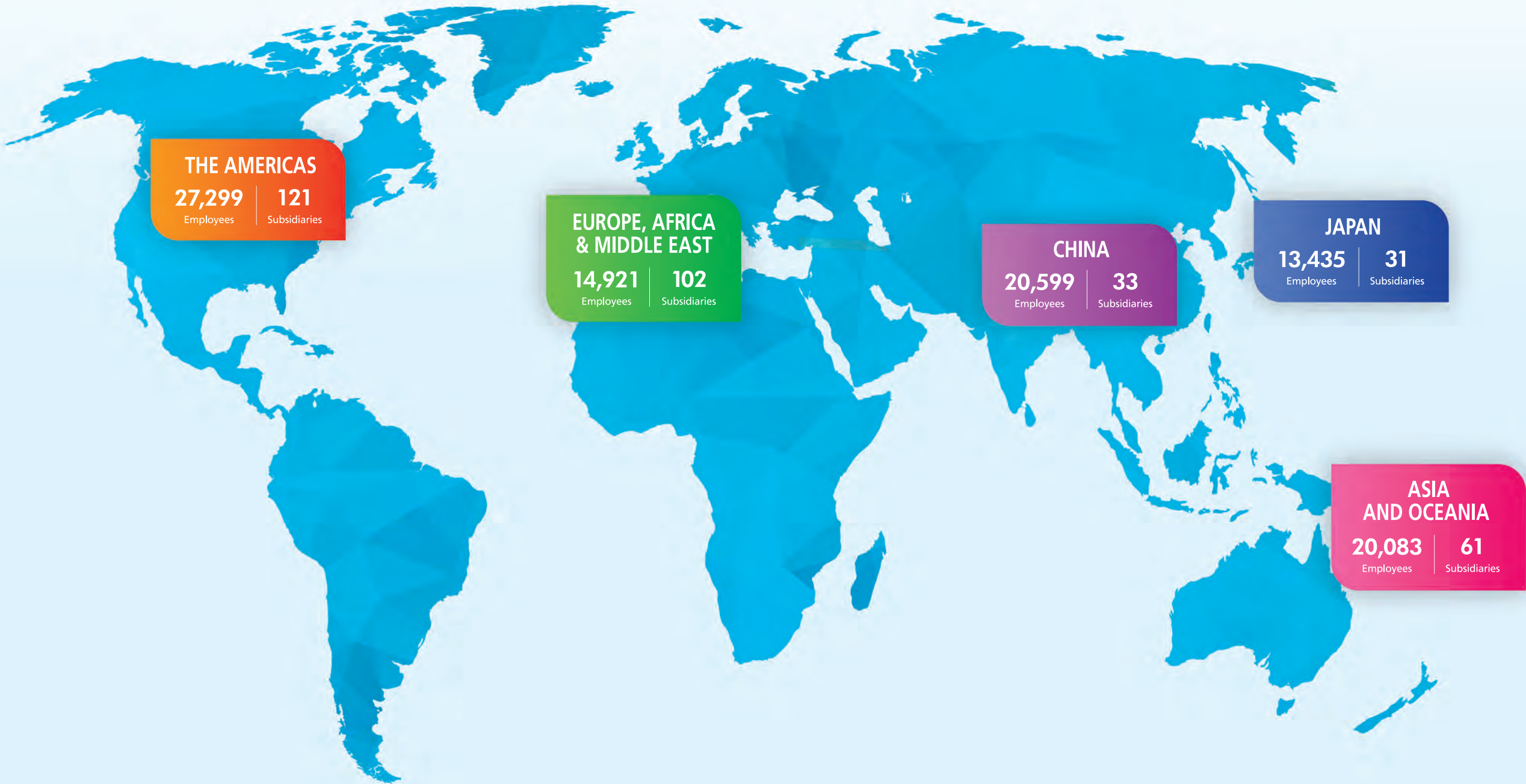
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What Daikin Stands For

Daikin is a diverse multinational company active in air-conditioning, chemicals and oil hydraulics. With headquarters in Osaka, Japan, the Daikin family has over 1,03,544* members, working across 133 production units and a large customer base in over 173 countries worldwide. As the world's sole manufacturer that develops a long line of products, from refrigerants to air-conditioners, Daikin advocates comfortable living on the strength of advanced technologies.

Today, the world is a single global market, and Daikin continues to address new challenges, creating headways and achieving milestones.

*As per March 31, 2025 total number of employees are 1,03,544 (Non-consolidated: 7,866).



Daikin India's Journey of Success



We Innovate because we care

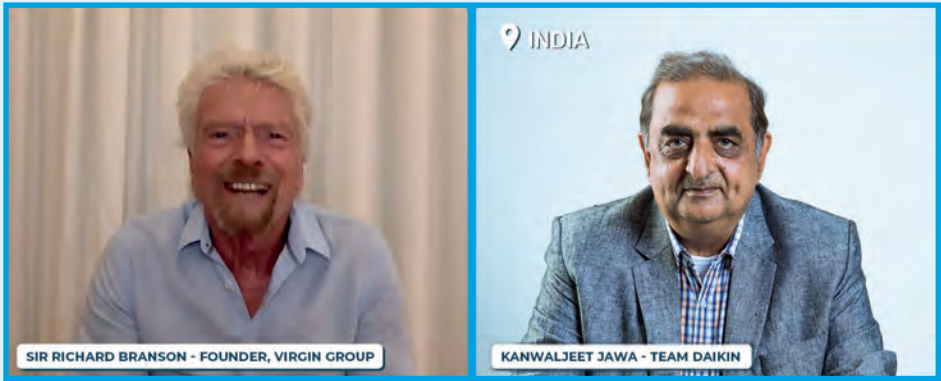
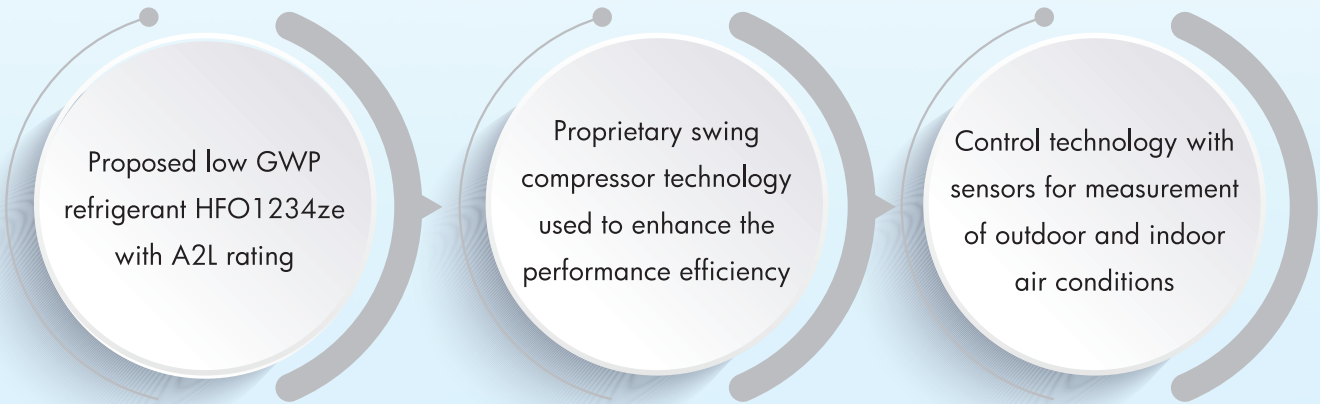


WE ARE PROUD TO ANNOUNCE THAT WE ARE THE WINNER OF THE GLOBAL COOLING PRIZE (GCP) TOGETHER WITH NIKKEN SEKKEI LTD.

The Global Cooling Prize is rallying a global coalition of leaders to solve the critical climate threat that comes from growing demand for residential air conditioning. It encourages harnessing the power of innovation to provide cooling solutions that enhance people's lives without contributing to runaway climate change.

We collaborated with Nikken Sekkei Ltd. to propose a new concept for room air conditioning. The innovation employs a technology that can achieve comfort and energy savings, concurrently ensuring a consistent room temperature and humidity by adequately controlling multiple indoor units in one room. Moreover, it utilises the vaporisation heat of water to further increase the energy efficiency of the equipment. The proposed equipment uses HFO-1234ze(E) refrigerant, which has a low Global Warming Potential (GWP).

KEY ATTRIBUTES OF THE SOLUTION



The Global Cooling Prize that we have won is consistent with our 'Environmental Vision 2050', which provides a roadmap for us to reach carbon neutrality by 2050. In line with that vision, we are in a continuous search to reduce energy consumption and refrigerant impact. We continuously strive to examine energy efficiency technology with low GWP refrigerant alternatives to make the planet better and greener.

Taking Control of the future With Inverter Technology

WHAT IS INVERTER TECHNOLOGY AND HOW IS IT DIFFERENT FROM NON-INVERTER TECHNOLOGY?

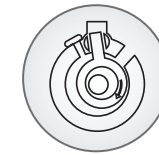


An inverter is a device for converting frequency. The technology is used in many home appliances and it controls electric voltage, current and frequency. Inverter air-conditioners vary their cooling/heating capacity by adjusting the frequency of their compressors.

WHAT ARE THE BENEFITS OF INVERTER AIR-CONDITIONERS?

	Powerful Inverter air-conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.
	Energy saving After the indoor temperature approaches the set temperature, the inverter control adjusts to low capacity operation to maintain this temperature. This makes inverter models more efficient in energy saving than non-inverter models, which repeatedly start or stop their compressors to maintain the room temperature.
	Comfortable Inverter air-conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature reduces. This gives higher comfort level than the non-inverter air-conditioners.

What Makes Daikin's Inverter Technology Unique?

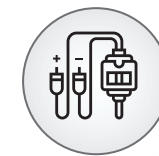


Swing Compressor

Daikin Air conditioners come with a Patented Swing Compressor which decreases friction and vibration. This helps in a smooth rotation of the Swing Compressor which provides a quiet and efficient operation. It saves electricity because of low pressure return during compression. The Swing Compressor also prevents leakage of refrigerant gas during compression. Quiet and efficient operation of the Swing Compressor due to low friction and vibration is better than conventional rotary compressor.



Daikin was presented 32nd Chairman's Award by the Japan society for the promotion of the machine industry for Swing Compressor.

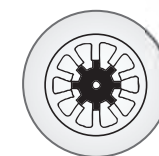


DC Inverter

Daikin calls an inverter model that is equipped with a DC motor as DC inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with powerful neodymium magnets, which enable even greater efficiency is called a reluctance DC motor.



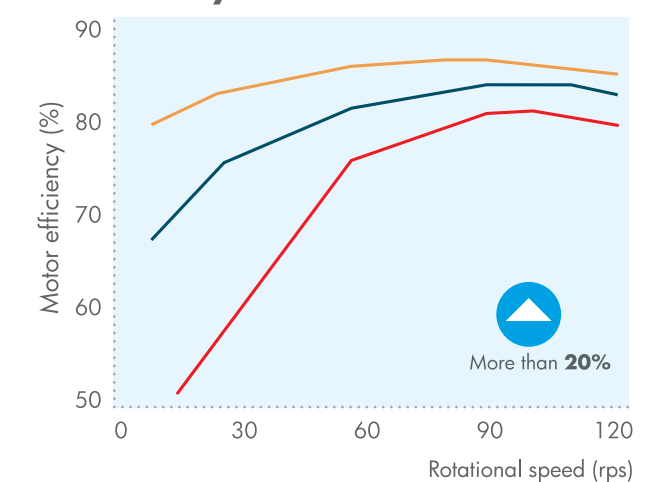
Recipient of Electric Science Promotion Award (Reluctance DC motor for compressor)



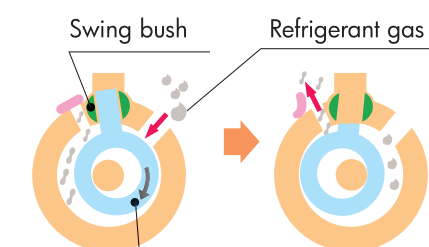
Reluctance DC motor for compressor

Daikin DC Inverter models are equipped with the reluctance DC motor for compressor. The reluctance DC motor uses two different types of torque, neodymium magnet and reluctance torque. This motor saves energy by generating more power with a smaller electric current than AC or conventional DC motors. Daikin's internally embedded neodymium magnet generates strong magnetic field and high torque resulting in high operational efficiency with less electricity consumption. It is more efficient at low frequencies most commonly used by air-conditioners improving efficiency by approximately 20%.

Efficiency of Reluctance DC motor

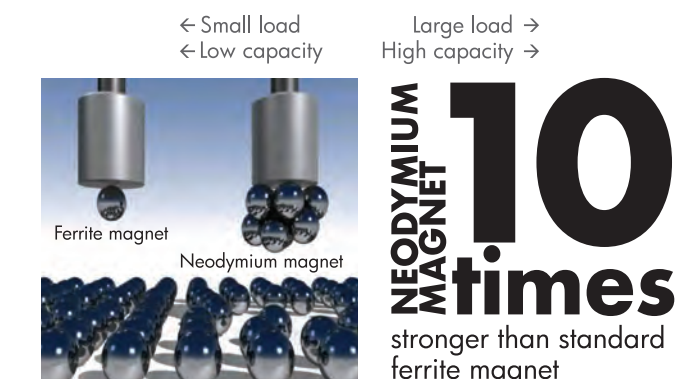


Neodymium magnets are used in the pink-coloured area.



Integral piston of blade and roller

The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.



Neodymium magnets are approximately 10 times stronger than standard magnets. The use of neodymium magnets in Daikin compressors enhances their performance. Besides, it helps to improve the frequency range used by air-conditioners during periods of stable operation in which air-conditioners operate for the longest periods.

Engine of Growth

MANUFACTURING PLANT



Factory 1 - Neemrana, Rajasthan



Factory 2 - Neemrana, Rajasthan



Factory 3 - Sri City (Andhra Pradesh)



Compressor & Device manufacturing facility

TRAINING FACILITY



ACDC Centre, Neemrana, Rajasthan



ACDC Centre, Sri City (Andhra Pradesh)

Disclaimer - Visuals used are for representation purpose only.

Mechanical R&D Centre 1 - Neemrana, Rajasthan



Mechanical R&D Centre 2 - Neemrana, Rajasthan



RESEARCH & DEVELOPMENT FACILITY

27+ Lab facilities

- Psychometric lab
- Multi-chamber lab
- Full Anechoic chamber for running sound test
- Product Reliability test lab, CFM test lab and Psychometric lab

7 Test & other facilities

- Cyclic Corrosion test
- Salt Spray test
- Thermal Shock test
- Vibration test
- Environmental test
- Drop test
- Concept room
- Mock-up area
- Device test room (electronic parts test room)

IoT Centre



Assembly line at Daikin Factory



Highest ISEER

ROLE

Daikin's Integrated Power Module Printed Circuit Board and Patented Swing Compressor Technology are a unique engineering design where the PCB (Controllers) is designed in such a way that it optimizes the cooling effect & also result in higher efficiency. Based on this engineering design we are able to achieve higher ISEER of 5.75, which is Higher than current 5 star ISEER requirements.

BENEFIT



It saves power; ideal for long usage



It helps in saving more electricity

FUNCTIONALITY

With Daikin's highest ISEER models, you get a product with a rating of 5.75* ISEER, which is best in the 5 star category and is extremely energy efficient. As per BEE standard, the qualifying criteria for 5 star rating AC is of 5.60 ISEER. It ensures that you get the highest performance in the 5 star category.

ISEER
5.75
RATING



MORE
SAVING

More energy efficiency as compared to 5 star AC with ISEER 5.60



52°C

Cools even at 52°C

*Model number FCMF50&FCMF71 with ISEER 5.75

Anti-Corrosion Treatment



ROLE

The Benzotriazole Oil prevents the heat exchanger from corrosion thus ensuring it lasts longer to deliver optimum cooling for long time. With this, the corrosion of copper is delayed by up to 2.8 times.

BENEFIT



Longer life of copper coil and air conditioners due to lowering corrosion impact



Durability of copper coil indoor & outdoor unit extends the lifetime of air conditioners by making the indoor & outdoor coil corrosion resistant

Available in selected models

Daikin Advantage

DAIKIN
5 STAR ACs

v/s

NORMAL
5 STAR ACs

5.75
ISEER
Rating

5.60
ISEER
Rating

Innovating to raise the standards and quality

The Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry has mandated the Quality Control Order (QCO) for the AC & its related parts as per IS 1391 (Part 2): 2018.

BENEFITS FOR CUSTOMER

The main aim of the QCO is to ensure best quality critical components, which is tested and approved by BIS and follow Indian Standards (IS) for local as well as imported parts related to air conditioners products which are under scope of Quality Control Order.

DAIKIN PRODUCTS ARE OF WORLD CLASS QUALITY THAT YOU CAN SEE, FEEL AND EXPERIENCE

Our *all "Light Commercial Air Conditioners (Cassette AC & Duct AC)" are "BIS" Certified Under License No. 8400163007.



Befriending the Environment

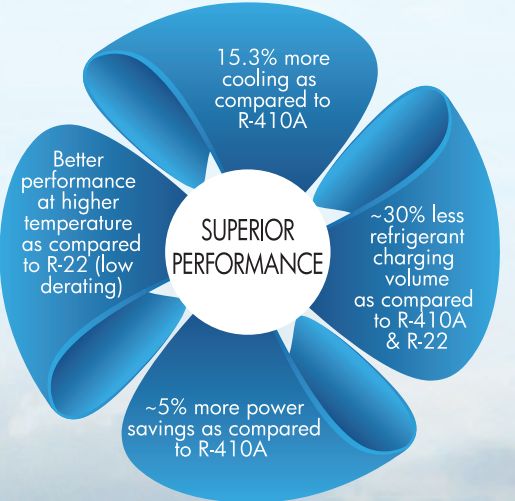
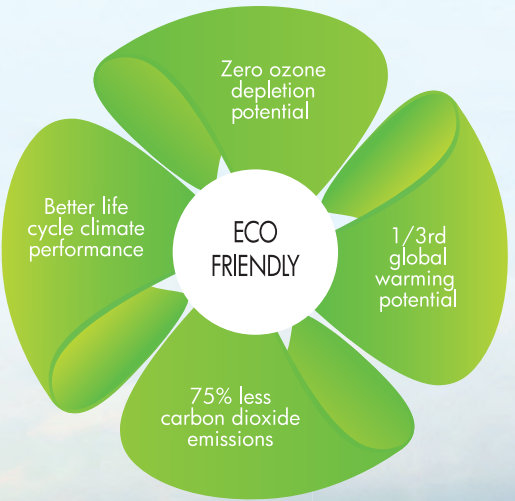


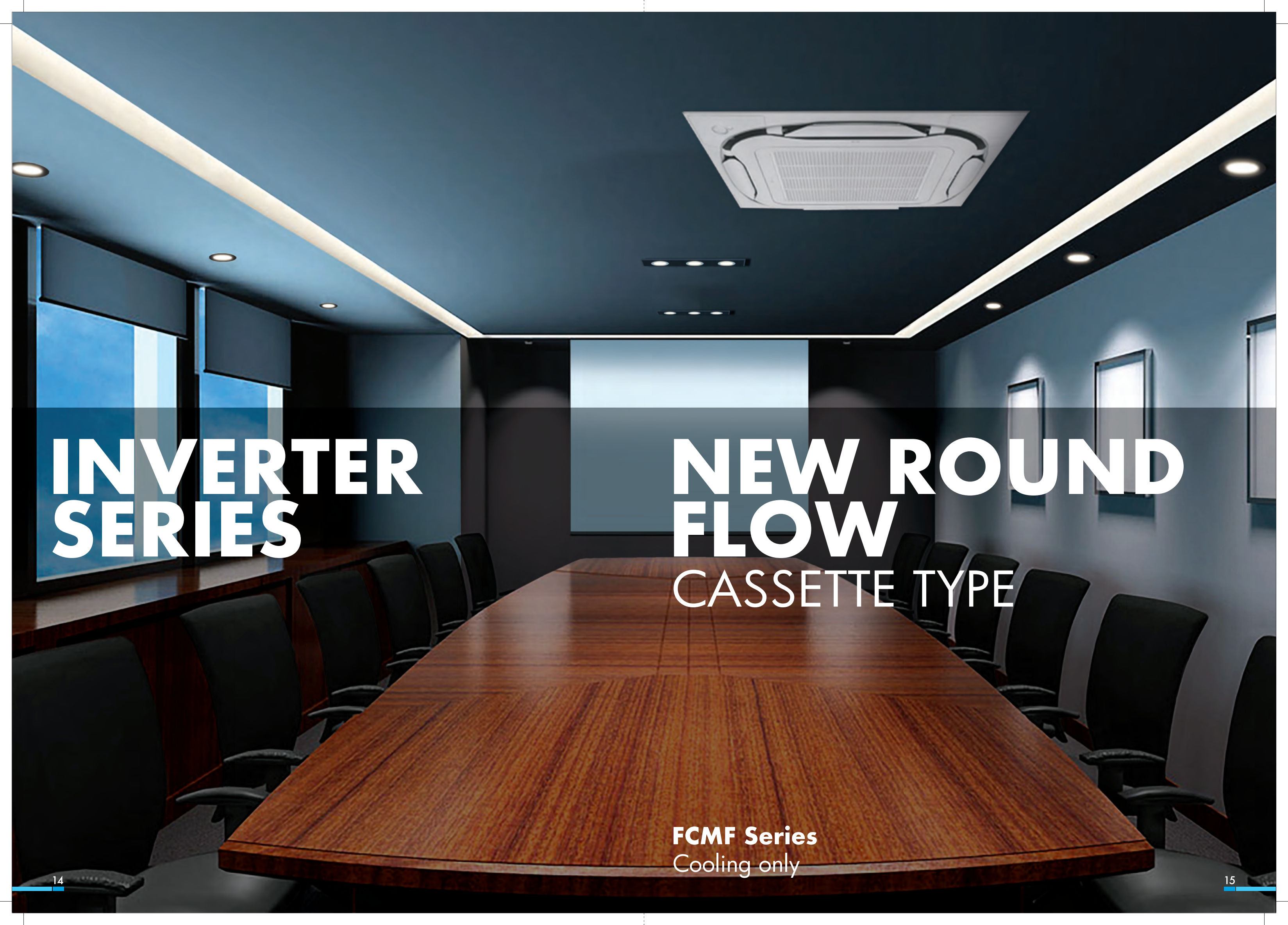
Air surrounds us at every moment of our lives. It sustains us—and the planet we call home. At Daikin, caring for the future of air means caring for the future of the Earth. That responsibility drives everything we do.

To reduce environmental impact, we have completely phased out R-22 and adopted R-32, a next-generation refrigerant with significantly lower global warming potential. R-32 is more energy-efficient, ozone-friendly, and supports responsible cooling for a warming world.

Going beyond our products, Daikin has also opened global access to patents for R-32-based equipment, encouraging industries worldwide to move towards greener solutions. Because choosing the right refrigerant is a crucial step in protecting the ozone layer and building a more sustainable future.

Our all Residential Air Conditioner models manufactured in India use the next-generation refrigerant, R-32.





**INVERTER
SERIES**

**NEW ROUND
FLOW**
CASSETTE TYPE

FCMF Series
Cooling only

FCMF SERIES

COOLING ONLY

INVERTER |  | R-32

ROUND FLOW



Cassette air conditioner with 360° uniform airflow sets the standard

FCMF50/71/100/125/140
(5 star) with sensing



INDIVIDUAL AIR
FLOW CONTROL



SILVER ION
ANTIBACTERIAL
DRAIN PAN



NIGHT QUIET
OPERATION



D III NET
COMPATIBLE
(OPTIONAL)



SWING
PATTERN
SELECTION



DRAIN PUMP
MECHANISM

Optional

NAVIGATION REMOTE CONTROLLER (Wired Remote Controller)

BRC1E63

Note: Remote controller cable is not included and must be obtained locally.
*For individual air flow direction control wired remote BRC1E63 is required.



WIRELESS LCD REMOTE CONTROLLER

A signal receiver must be added to the indoor unit.



BRC7M632F-6
(White)

Signal receiver unit
(Installed type)
Wireless remote
controller and signal
receiver are sold as
separate accessories.



BRC91A152
(Wireless R/C)

MADOKA

(Stylish Remote Controller)



BRC1H61W (White)



BRC1H61K (Black)



PANEL VARIATIONS

1



Standard panel
(Fresh white)
BYCQ125EAF6

2



Standard panel with
sensing (Fresh white)
BYCQ125EEF6

3



Designer panel
(Fresh white)
BYCQ125EAPF

4



Auto grille panel
(Fresh white)
BYCQ125EASF

5



Standard panel
(Black)
BYCQ125EAK

6



Standard panel with
Sensing (Black)
BYCQ125EEK

Panel compatibility:-

5 Star Inverter Series

2

4

6

4 & 3 Star Inverter Series

1

3

4

5

#A dedicated wireless remote controller is supplied with auto grille panel
Note: When opting black panel, wireless remote controller will be BRC7M634K.

FEATURE - FCMF SERIES

Feature		FCMF
Energy Saving	Energy consumption monitoring *1	•
	Auto display OFF *3	•
	Setpoint auto reset *3	•
	Setpoint range set *3	•
	Circulation airflow *3	•
	Quick start *3	•
	Individual airflow control *3	•
	Infrared presence sensor	Sensing Panel
	Infrared floor sensor	Sensing Panel
	Humidity sensor	•
Comfort	Auto airflow function *3	Sensing Panel
	Auto swing	•
	Swing pattern selection	•
	Switchable fan speed	5 step
	Auto airflow rate	•
	Two selectable temperature-sensors *3	•
	High ceiling application	3.5m/4.2m
	Night quiet operation *4	•
Cleanliness	Anti-bacterial air filter	•
	Silver ion anti-bacterial drain pan	•
Work & Servicing	Drain pump mechanism	•
	Pre-charged for up to 2.0 TR -15m & above 2.0 TR 30m	•
	Long-life filter	•
	Filter sign	•
	Low gas pressure detection *4	•
	Emergency operation	•
	Self-diagnosis function	•
	Auto-restart	•
Control	Control by 2 remote controllers	•
	Group control by 1 remote controller	•
	External signal forced OFF and ON/OFF	•
	Emergency operation	•
	External command control *6	Optional
	Central remote control	Optional
	Interlock control with Heat Reclaim Ventilator	•
	DIII-NET communication standard	Optional
Options	High-efficiency filter	•
	Ultra long-life filter	•
	Fresh air intake kit	•
	Overvoltage printed circuit board *4	•

Notes:

*1: Applicable when BRC1E62/63 is used

*3: Applicable when BRC1E63 is used

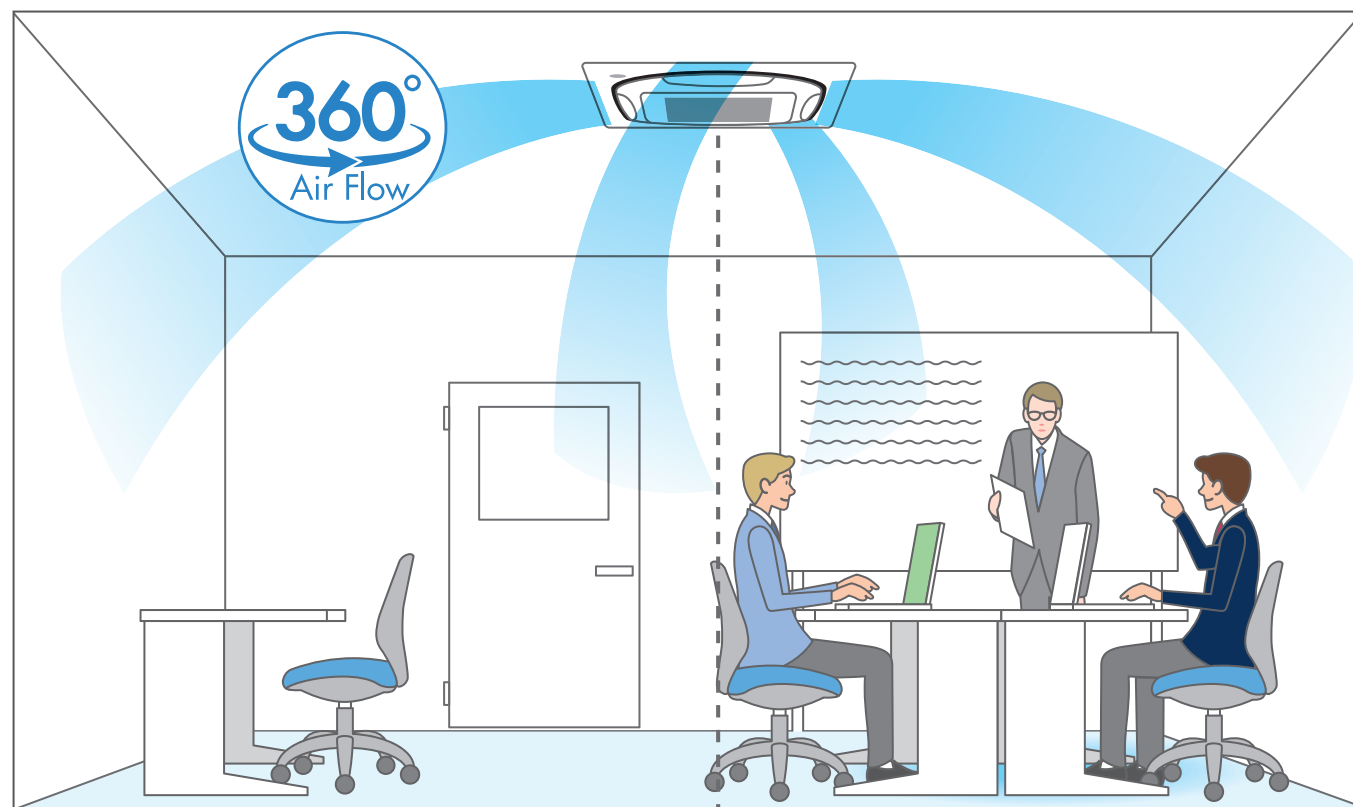
*4: For outdoor units

*6: Wiring adaptor for electrical appendices (and installation box) is necessary

*7: Option is required

*8: It is not possible to use 2 wireless remote controllers.
Combination of BRC1E63 (main) and BRC7M (sub) is available.
*Applicable with wired remote controller.





CIRCULATION AIRFLOW

Cools the entire room to deliver comfort that never feels too cold or too warm. Cooling operation repeatedly performs the following at start.

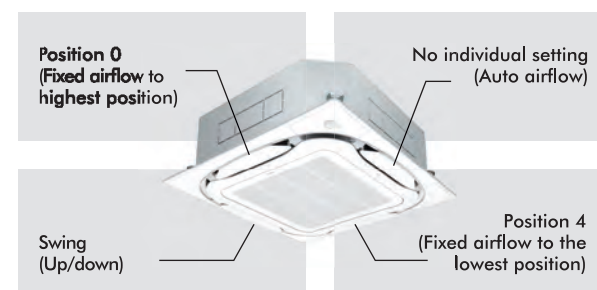
2 - way horizontal flow
4 - way swing flow

2 - way horizontal flow (direction changes)
4 - way swing flow

INDIVIDUAL AIRFLOW DIRECTION CONTROL

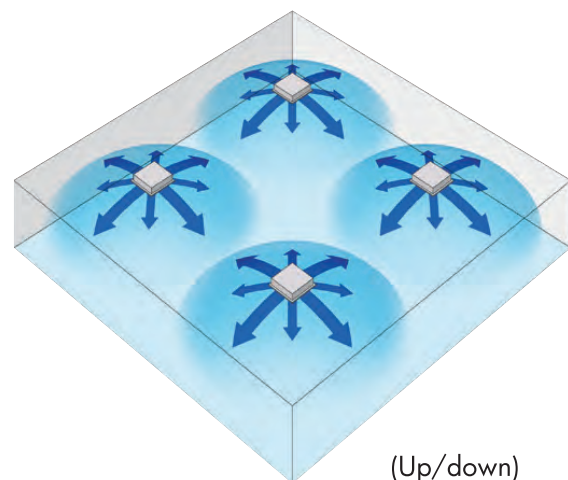
Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution that conforms to conditions for airflow direction (small and large loads).

Selectable from position 0 to 4, swing, and no individual setting.



360° AIRFLOW

With uniform temperature distribution



Airflow distribution creates uniform comfort throughout the space.

Room remains comfortable even when set temperature is raised 1.

(Up/down)
Greater comfort

SELECTABLE AIRFLOW PATTERN

Because air flows out from corner outlets, comfort spreads more widely.

Typical flow patterns

There are a total of 18 flow patterns.

All-round flow



(E.g., Installed in middle of ceiling)

4-way flow also possible.

3-way flow



(E.g., Installed near a wall)

L-shaped 2 way flow



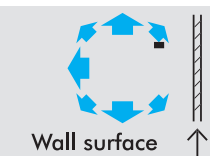
(E.g., Installed in a corner)

Opposite 2-way flow



(E.g., Installed in a long room)

Required distance to wall surface for closing air discharge outlet



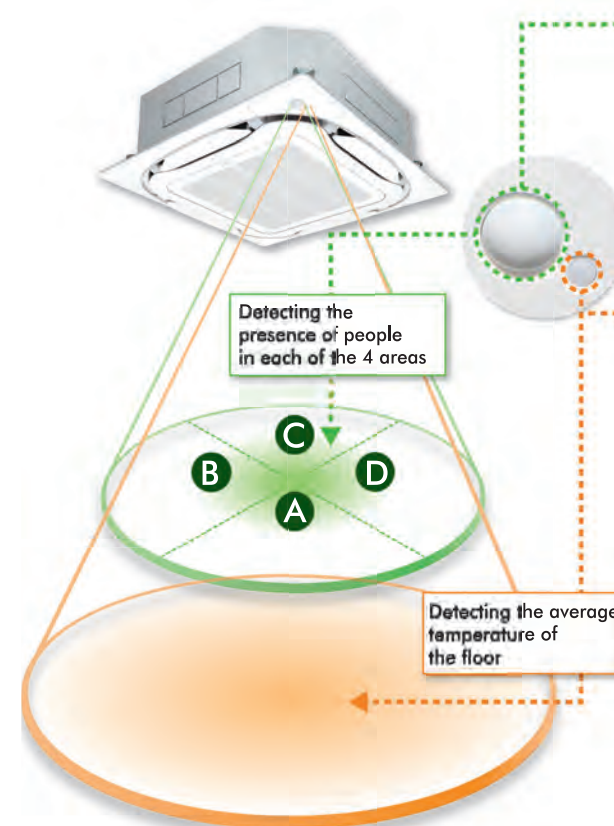
Minimum distance of 500mm
*200mm for corner closing

Note:

- Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.
- Operation sound increases when using 2-way or 3-way flow.
- Designer panel cannot operate 2-way and 3-way flow.

DUAL SENSORS*1

Dual sensors and individual airflow direction control automatically provide optimal control of airflow.



Infrared presence sensor

The sensor detects the presence of people in each of the 4 areas.

Ceiling height	2.7m	2.7m	4.0m
Detection range (diameter)*3	Approx.8.5m	Approx.8.5m	Approx.13.5m

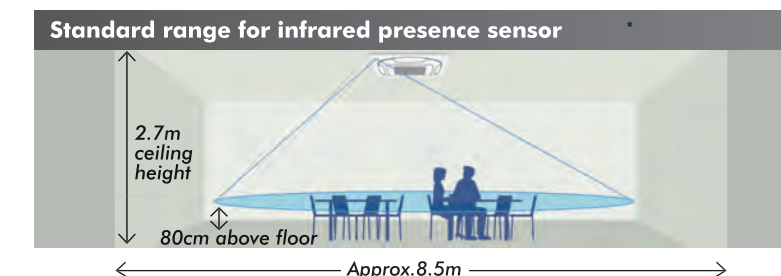
*3. The infrared presence sensor detects 80cm above the floor.

Infrared floor sensor

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

Ceiling height	2.7m	2.7m	4.0m
Detection range (diameter)*4	Approx.11m	Approx.14m	Approx.16m

*3. The infrared presence sensor detects 80cm above the floor.



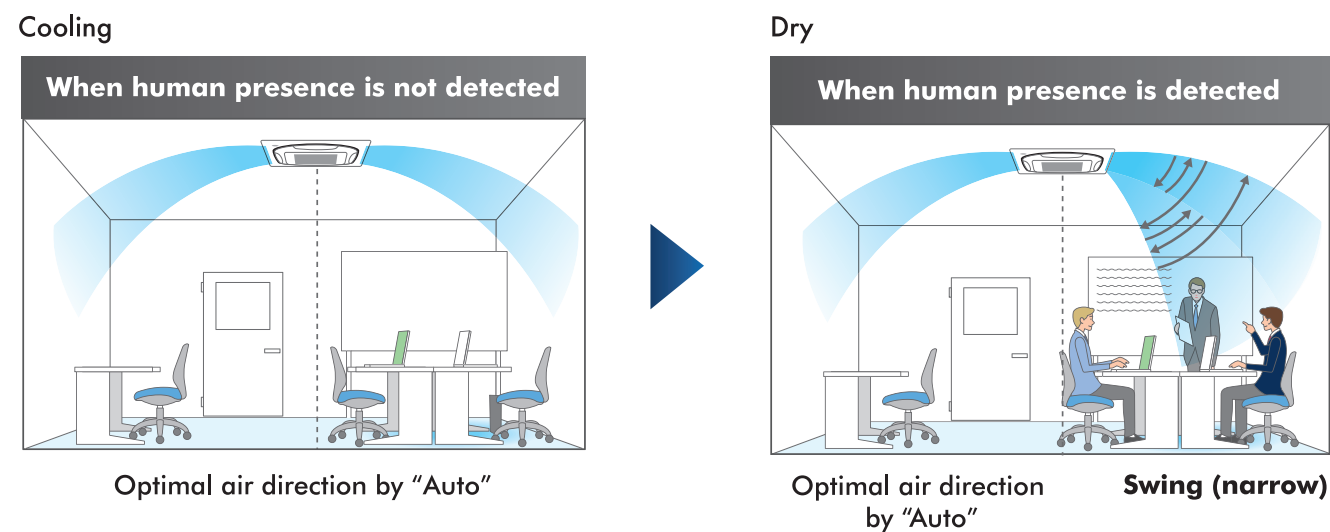
*[Concerning infrared presence sensor]

- People are detected by large movements such as the motion of people walking at a certain distance away from sensor.
- Human detection is not possible for blind areas of sensor. [Concerning infrared floor sensor].
- The detected temperature may sometimes be affected by a heat source, window, or device emitting heat in the detection range.

AUTO AIRFLOW FUNCTION*5

Direct Airflow (default: OFF)

*5. Airflow direction should be set to "Auto".



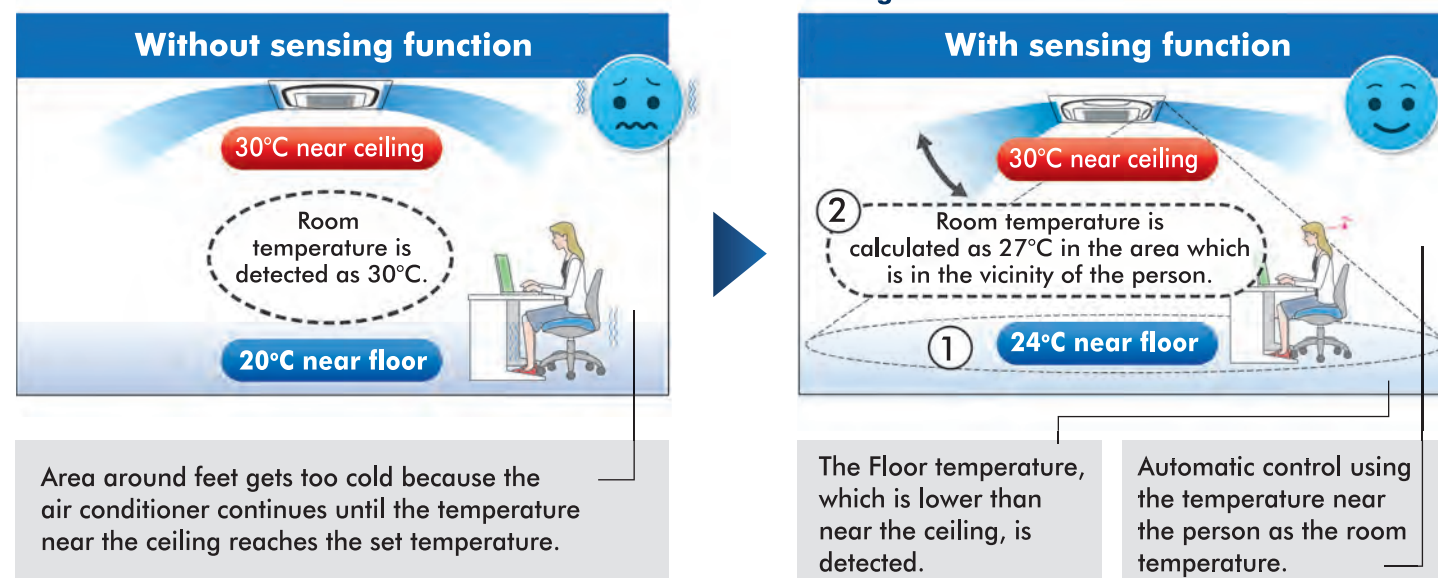
With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

COMFORT AND ENERGY SAVING PREVENTING OVERCOOLING*6

Floor temperature is detected and overcooling prevented.

*6. Airflow direction and airflow rate should be set to "Auto".



Energy savings:

The temperature near the person is automatically calculated by detecting the temperature of the floor. Energy is saved because the area around the feet does not get too cold.

SENSING SENSOR FUNCTIONS*7,8,9

Sensing sensor low mode (default: OFF)

When there are no people in a room, the set temperature is shifted automatically.

- The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

Example:

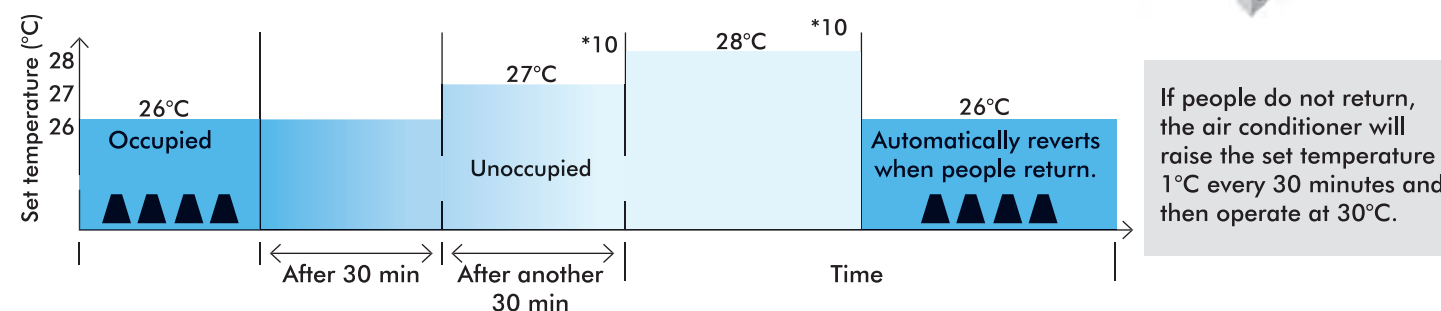
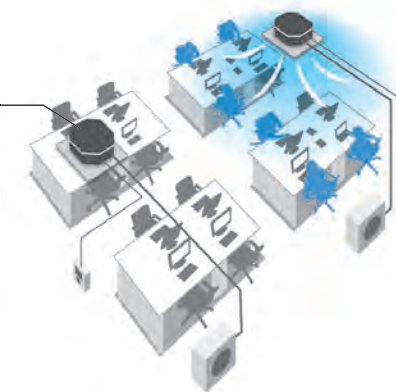
- Cooling set temperature: 26°C
- Shift temperature: 1.0°C
- Shift time: 30 min.
- Limit cooling set temperature: 30°C

*7. Applicable when sensing panel (BYCQ125EEF6) is installed.

*8. These functions are not available when using the group control system.

*9. User can set these functions with remote controller.

Operation is reduced in places where there are no people.



Shift temperature and time can be selected from 0.5 to 4°C in 0.5°C increments and 15, 30, 45, 60, 90 or 120 minutes respectively with remote controller.

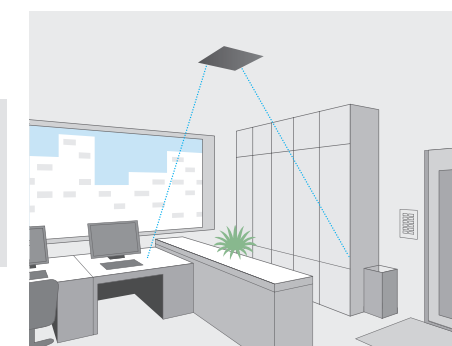
*10. On basic screen of remote controller, set temperature does not change.

Sensing sensor stop mode (default: OFF)

When there are no people in a room, the system stops automatically.*11,12

- The system automatically saves energy by detecting whether or not the room is occupied.
- Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

Absent stop time can be selected from 1 to 24 hrs in 1 hr increments with remote controller.



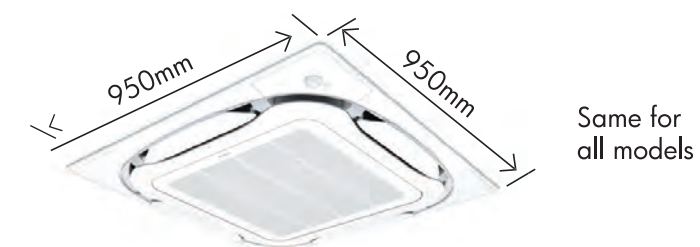
*11. Please note that upon re-entering the room, the air conditioner will not switch on automatically.

*12. To protect the machine, the standby system may operate temporarily.

COMFORT

Unified square panels

Panel size is the same for all models. It is easy to maintain a neat appearance when multiple units are installed in the same room.



Optimal comfort and convenience assured by 3 air discharge modes

Air direction	Standard setting ¹	Draft prevention setting (field setting)	Ceiling soiling prevention setting ² (field setting)
Desired situation	For gentle drafts.	When drafts are unwanted.	For shops with light coloured ceilings that must be kept spotless.
Auto-swing			
5-level air direction setting			
Auto air direction control		The air direction is set automatically to the memorised position of the previous air direction.	

Note:
¹ Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote controller.
² Closing of the corner discharge outlets is recommended.

Switchable fan speed: 5 steps and Auto

Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

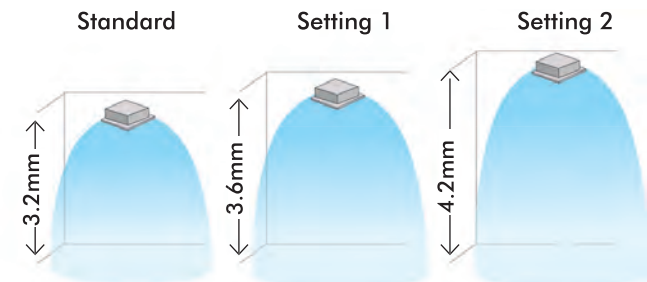
Switchable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.

Quiet operation

Indoor unit	Sound pressure level dBA				
	H	HM	M	ML	L
FCMF50-71A	37	34.5	32	29.5	27.5
FCMF90-100A	45	41.5	38	35	32.5
FCMF125-140A	46	43	40	36	32.5

*Sound pressure level for FCVF-A series is same as above given table.



When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (100-140ARV16)

Make the following setting according to ceiling height, The second code no. is set at the factory.

Ceiling Height Setting/Setting of Normal Air flow

Make the following setting according to ceiling height, The second code no. is set at the factory.

FCMF 50-71

Mode	First Code No.	Second Code No.	Setting	Ceiling Height			
				All Round Outlet	4-Way Outlets	3-Way Outlets	2-Way Outlets
13(23)	0	01	Standard	Lower than 2.7m	Lower than 3.1m	Lower than 3.0m	Lower than 3.5m
		02	High Ceiling(1)	Lower than 3.0m	Lower than 3.4m	Lower than 3.3m	Lower than 3.8m
		03	High Ceiling(2)	Lower than 3.5m	Lower than 4.0m	Lower than 4.5m	-

FCMF 90-140

Mode	First Code No.	Second Code No.	Setting	Ceiling Height			
				All Round Outlet	4-Way Outlets	3-Way Outlets	2-Way Outlets
13(23)	0	01	Standard	Lower than 3.2m	Lower than 3.4m	Lower than 3.6m	Lower than 4.2m
		02	High Ceiling(1)	Lower than 3.6m	Lower than 3.9m	Lower than 4.0m	Lower than 4.2m
		03	High Ceiling(2)	Lower than 4.2m	Lower than 4.5m	Lower than 4.2m	-

Note:
The aforementioned is for standard panels. See the installation manual for designer panels. Factory settings are for standard ceiling height and all-round flow. High ceiling settings (1) and (2) are set with the remote controller by field setting. High-efficiency filters are not available for high ceiling applications.

CLEANLINESS

Silver ion anti-bacterial drain pan

A built-in anti-bacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause odours and clogging.

(The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)



Non-flocking flaps

Flaps can be detached without use of tools. Condensation does not easily form and dirt does not cling to non-flocking flaps. They are easy to clean.



Filter has anti-mould and anti-bacterial treatment

Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

QUICK AND EASY INSTALLATION

Lightweight

All models can be installed without using a lifter.

Installable in tight ceiling spaces

Standard panel	256mm (50-71A) 298mm (100-140A)	261mm (50-71A) 303mm (100-140A)
----------------	------------------------------------	------------------------------------

Designer panel

Designer panel	256mm 298mm 42mm ^{*1}	261mm+42mm ^{*1} 303mm
----------------	--------------------------------------	-----------------------------------

*1.Body height (ceiling required space) is 42 mm higher than standard panel.

Auto grille panel

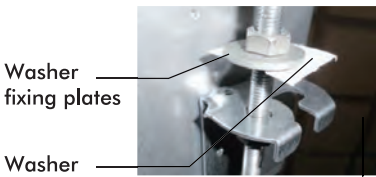
Auto grille panel	256mm 298mm 55mm ^{*2}	261mm+55mm ^{*2} 303mm
-------------------	--------------------------------------	-----------------------------------

*2.Body height (ceiling required space) is 55 mm higher than standard panel.

*When the ceiling space is limited, an optional panel spacer is available.

Easy hanging

Washer fixing plates secure washers in place and prevent washers from falling for easy installation.



Easy removal of corner cover

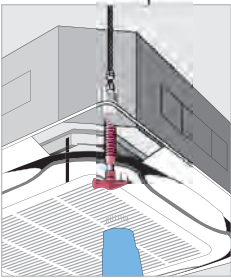
It is possible to easily remove without use of screws or tools.



Easy height adjustment

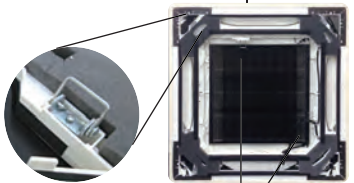
Each corner of the unit has an adjuster pocket that lets you easily adjust the unit's suspended height.

If the wireless remote controller is installed, a signal receiver unit is housed in one of the adjuster pockets



Ease in temporary hanging of decoration panel

In addition to the temporary hanging fixtures in 2 places normally used, corner part mounting fixtures in 4 places are provided.

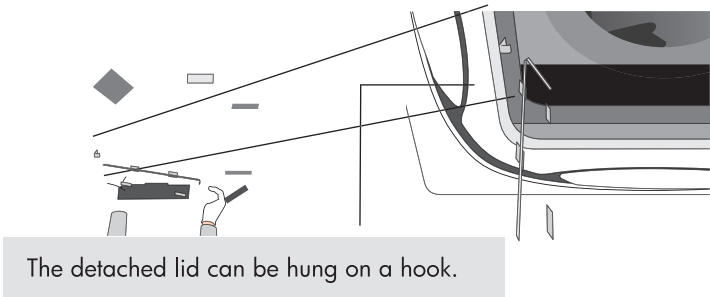


Corner part mounting fixtures (in 4 places)

Temporary hanging fixtures (in 2 places)

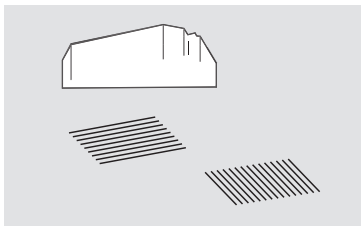
Temporary placement of control box lid

Because the control box lid can be temporarily hung on the unit, there is no need to climb down the stepladder to retrieve it.



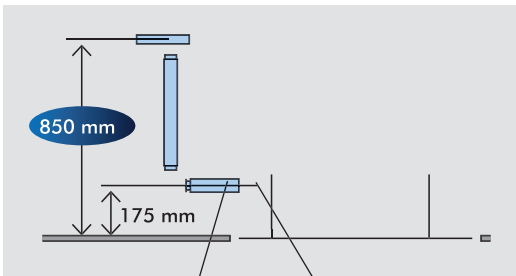
Installed in any direction

Since the orientation of the suction grille can be adjusted after installing, the direction of the suction Transparent drain sock when multiple units are installed.



Drain pump

Equipped as standard accessory with 850 mm lift.

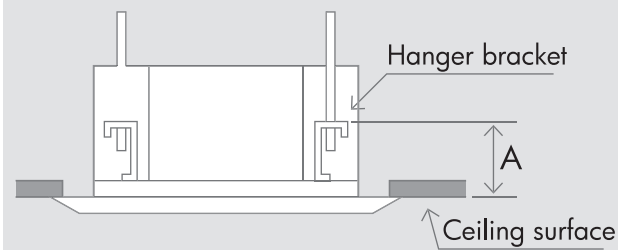


Transparent drain sock



Hanging height adjustment

Because the configuration of the hanger bracket changed, the dimensions from the ceiling to the hanger bracket also change during height adjustment for indoor unit.



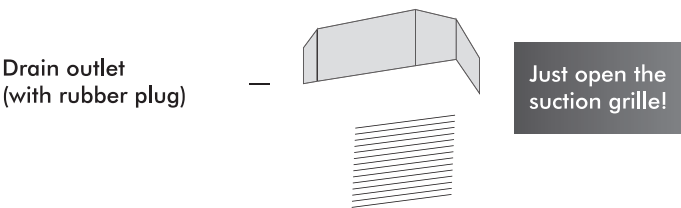
	A Dimensions
Standard panel	125-130mm
Designer panel	167-172mm
Auto grille panel	180-185mm
Chamber option*+ Standard panel	175-180mm

*High-efficiency filter, ultra long-life filter, and fresh air intake.

EASY MAINTENANCE

The condition of the drain pan and drain water

Can be checked by removing the suction grille and drain plug.

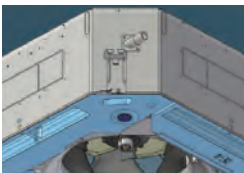


Note:

For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative

24mm diameter drain outlet

The drain outlet allows insertion of a finger or dental mirror for inspection of the internal cleanliness of the drain pan. Removal of the suction panel enables access.



Auto grille panel (option)

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated wireless remote controller for the auto grille panel is included, and supplied with Auto Grille panel.

The drop length corresponds to ceiling height and can be set for 8 different levels.

Ceiling Height Standard (m)	Drop Length
2.4	1.2
2.7	1.6
3.0	2.0
3.5	2.4
3.8	2.8
4.2	3.1
4.5	3.5
5.0*	3.9

*Airflow range is up to 4.5m. Please refer to "criteria for ceiling height and number of air discharge outlets"
*Separate remote required for auto grille panel



AUTO GRILLE PANEL BYCQ125EASF

Ultra long-life filter (option)

Maintenance is not required in normal shops or offices for up to four years.



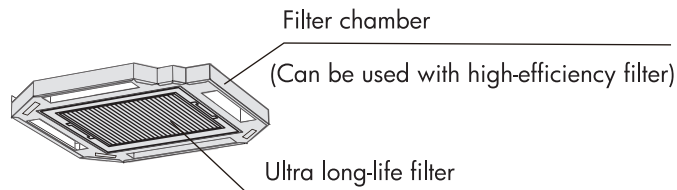
OPTIONS

Options required for specific operating environments

Ultra long-life filter unit

Even in dusty environments where the air conditioning is constantly operating, the ultra long-life filter only has to be cleaned once a year.

Dusty area: annual filter change



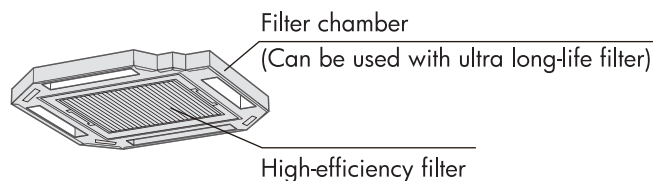
*For dust concentration of 0.3 mg/m³ (Requires separately sold Air purifier.)
1 year (Approx. 5,000 hr) = 15 hr/day x 28 day/month x 12 month/year

Ordinary store or office: filter change every 4 years

*For dust concentration of 0.15 mg/m³
4 years (Approx. 10,000 hr) = 8 hr/day x 25 day/month x 12 month/years x 4 years

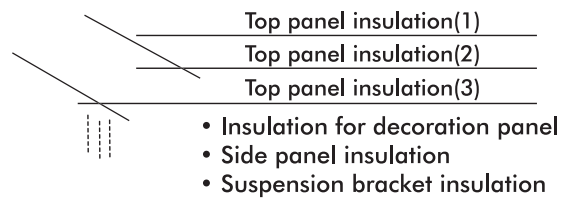
High-efficiency filter unit

Available in two types: 65% and 90% colorimetry.



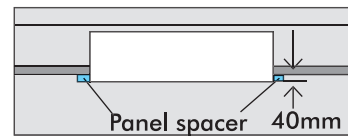
Insulation kit for high humidity

Please use if you think the temperature and humidity inside the ceiling exceeds 30°C and RH 80%, respectively.



Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct (direct-connection round duct)

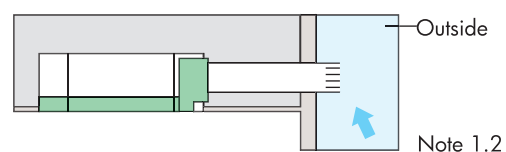
A round duct can be attached without the need for a chamber.

A flanged port for direct connection of a round duct is provided. An existing branch duct chamber can also be fitted (square slit hole).



Fresh air intake kit

Using this kit, a duct can be connected to take in outdoor air. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.

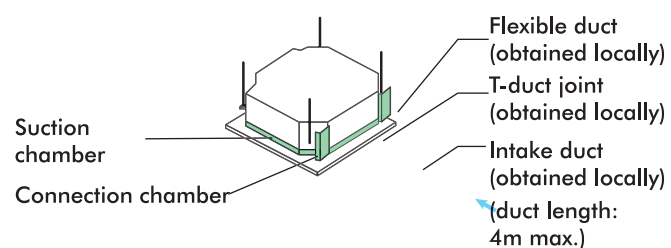


Note 1,2

The units can be installed in the following different ways

Chamber type (without T-duct joint)

KDDP55B160



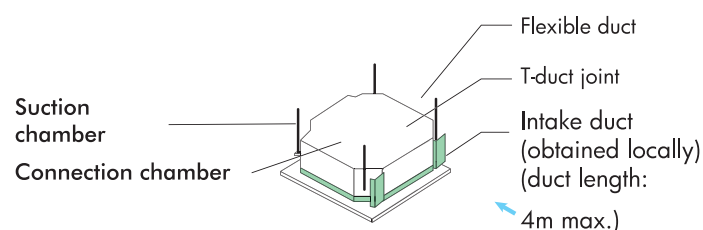
Note 3,4,5

Note:

1. Use of options will increase operating sound.
2. Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be obtained locally.
3. When a local-obtained fan is used, an interlock with air conditioner is necessary. Optional PCB (KRP1C11A) is required for interlocking.
4. When installing a fresh air intake kit (chamber type), two air outlet corners are closed.
5. It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating sound and may also influence temperature sensing.
6. The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow.
The chamber type is recommended when more fresh air is necessary.

Chamber type (with T-duct joint)

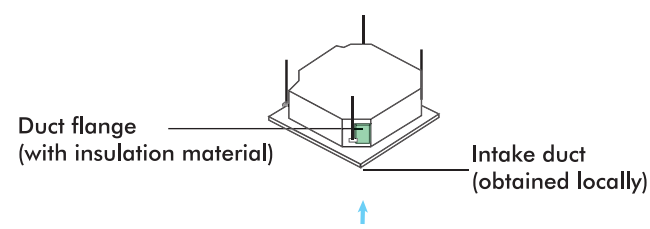
KDDP55B160K



Note 3,4,5

Direct installation type (with T-duct joint)

KDDP55X160A



Note 6

NIGHT QUIET OPERATION MODE

The automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that

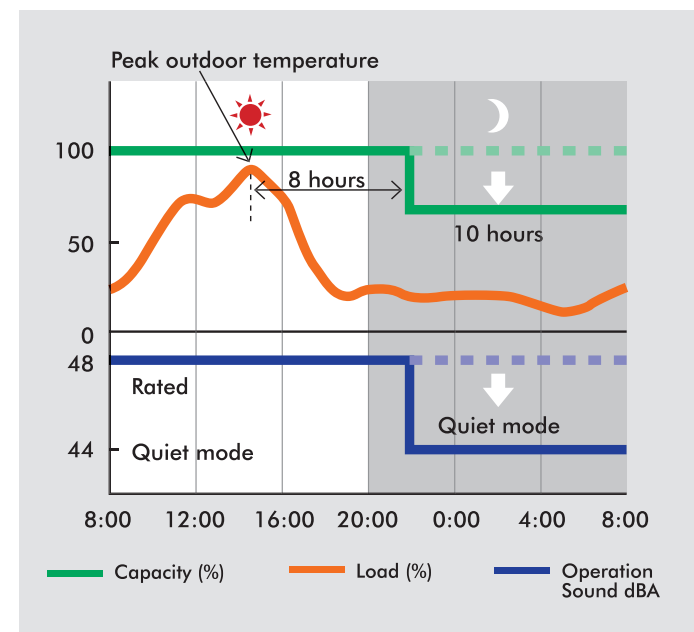
★ Reducing noise will reduce capacity slightly.

Cooling only	Sound pressure level ¹ dBA	
	Rated ²	Night Quiet Mode
RZMF50-71	48	44
RZMF100	49	45
RZMF125	52	45
RZMF140	54	45

Note:

¹Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

²Value when cooling. Value will differ when heating.



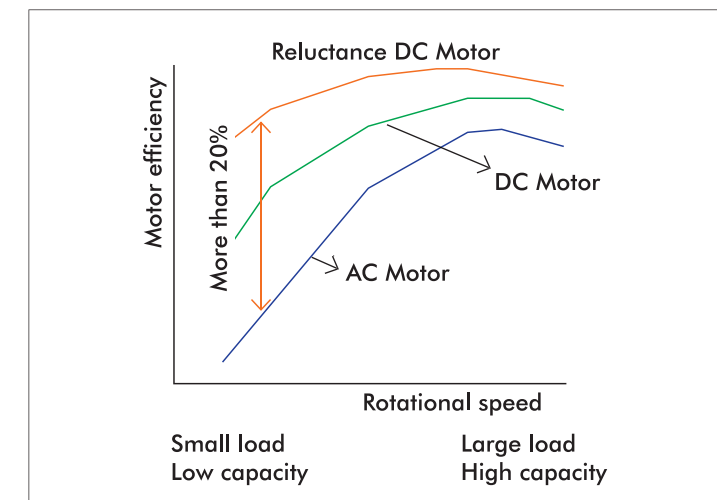
Note: Daikin data for RZMF71CVM Operating sound about 4 dB quiet

1. Compressor equipped with reluctance DC motor

Daikin DC Inverter models are equipped with the reluctance DC motor for compressor.

The reluctance DC motor uses 2 different types of torque, neodymium magnet^{*1} and reluctance torque^{*2}.

This motor can save energy because it generates more power with a smaller electric power than an AC or previous DC motor.

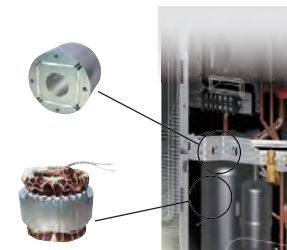


Note: Data are based on studies conducted under controlled conditions at a Daikin laboratory.

Reluctance DC motor

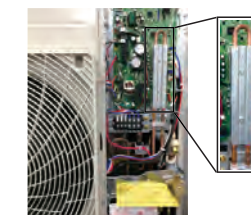
*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.

*2. The torque created by the change in power between the iron and magnet parts.



2. Refrigerant cooling (RZMF90-140, RZVF90-140)

Daikin's unique refrigerant cooling system exhibits high cooling capacity even during high outdoor temperatures.

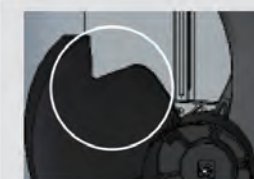


Refrigerant cooling helps protect the printed circuit board and maintains high cooling capacity even during high outdoor temperatures.

3. Fan

V-CUT PROPELLER FAN

Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.



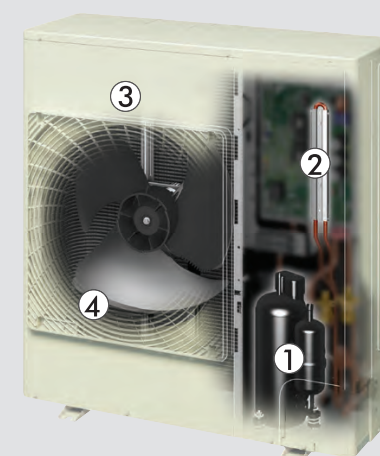
V-cut propeller fan



Imitating the performance of the swan

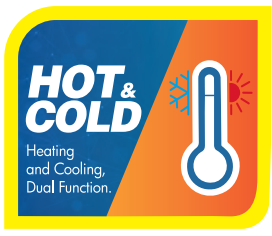
EASY INSTALLATION AND MAINTENANCE

The high efficiency compressor to achieve a high COP



FCA SERIES

COOLING AND HEATING



Cassette air conditioners with 360° airflow ensure uniform cooling and heating, delivering balanced, all-round comfort in every season.

FCA50/71/100/125/140

- INDIVIDUAL AIR FLOW CONTROL
- SILVER ION ANTIBACTERIAL DRAIN PAN
- NIGHT QUIET OPERATION
- D III NET COMPATIBLE (OPTIONAL)
- SWING PATTERN SELECTION
- DRAIN PUMP MECHANISM

Optional

NAVIGATION REMOTE CONTROLLER

(Wired Remote Controller)

BRC1E63

Note: Remote controller cable is not included and must be obtained locally.

*For individual air flow direction control wired remote BRC1E63 is required.

WIRELESS LCD REMOTE CONTROLLER

A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

Wireless remote controller and signal receiver are sold as separate accessories.

BRC7M632F-6
(White)

BRC91A152
(Wireless R/C)

MADOKA

(Stylish Remote Controller)

BRC1H61W (White)

BRC1H61K (Black)

FEATURE – FCA SERIES

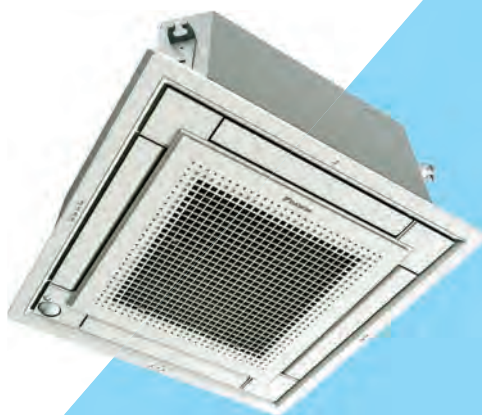
FEATURE	FCA
Programme Mode-Cool, Dry, Auto, Heat, Fan	●
High Efficiency Swing Compressor	●
Auto Swing	●
Swing Pattern Selection	●
Switchable speed (5 Steps)	●
Auto Airflow Rate	●
High Ceiling Application (3.5/4.2 m)	●
Anti Bacterial Filter	●
Silver ion anti bacterial drain pan	●
Drain pump mechanism	●
Long Life filter	●
Filter Sign	●
Emergency operation	●
Self Diagnosis function	●
Auto Restart	●
Humidity Sensor	●
ON, OFF Timer Selection	●
Remote Backlight	●



FFFQ SERIES

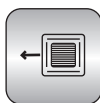


R-32



Fully flat cassette, a remarkable blend of iconic design and engineering excellence

FFFQ50/60



INDIVIDUAL AIR FLOW CONTROL



SILVER ION ANTIBACTERIAL DRAIN PAN



NIGHT QUIET OPERATION



D III NET COMPATIBLE (OPTIONAL)



SWING PATTERN SELECTION



DRAIN PUMP MECHANISM

Optional

NAVIGATION REMOTE CONTROLLER

(Wired Remote Controller)

BRC1E63

Note: Remote controller cable is not included and must be obtained locally.
*For individual air flow direction control wired remote BRC1E63 is required.



WIRELESS LCD REMOTE CONTROLLER

A signal receiver must be added to the indoor unit.

Signal receiver unit
(Installed type) BRC7M530W6

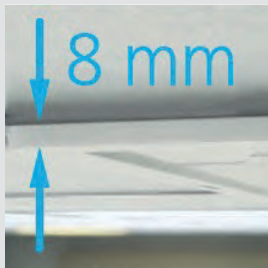
Wireless remote controller and signal receiver are sold as separate accessories.
Sensor Kit also available: BRYQ60AAW6



BRC91A152
(Wireless R/C)

FULLY FLAT WITH THE CEILING

Fully-flat integration in standard architectural ceiling tiles, leaving only 8mm.



FITS ARCHITECTUAL CEILING TILES PERFECTLY

The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.

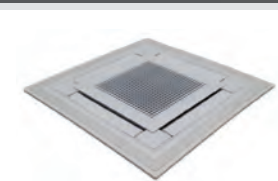


FEATURE – FFFQ Series

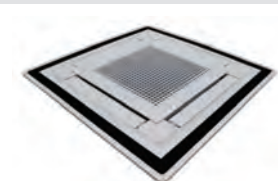
FEATURE	FFFQ
Programme Mode-Cool, Dry, Auto, Fan	●
High Efficiency Swing Compressor	●
Auto Swing	●
Swing Pattern Selection	●
Switchable speed (5 Steps)	●
Auto Airflow Rate	●
High Ceiling Application (3.5/4.2 m)	●
Anti Bacterial Filter	●
Silver ion anti bacterial drain pan	●
Drain pump mechanism	●
Long Life filter	●
Filter Sign	●
Emergency operation	●
Self Diagnosis function	●
Auto Restart	●
Humidity Sensor	●
ON, OFF Timer Selection	●
Remote Backlight	●

PANEL VARIATIONS

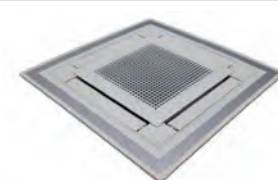
STRIP NAME / MODEL NAME



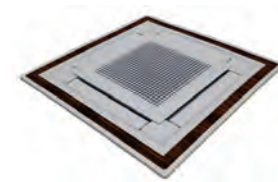
WHITE STRIP
BDB50RW6



BLACK STRIP
BDB50RK6

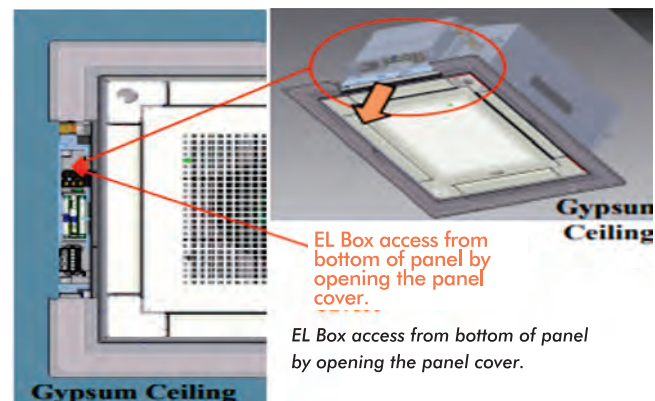


GREY STRIP
BDB50RH6

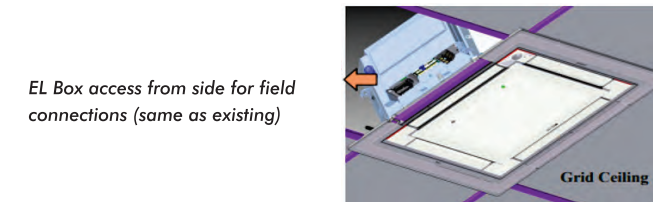


WOODEN
PATTERN STRIP
BDB50RM6

EASY EL BOX ACCESS



EL Box access from bottom of panel by opening the panel cover.



EL Box access from side for field connections (same as existing)

- Panel overall size & design change to access to EL box
- EL box design change.
- Additional PCB (Interface) required for field connections
- Power supply and communication terminal location changed
- Transmission PCB location change

SINGLE WAY CASSETTE TYPE

FKC/FKA Series
Cooling only and Heating

FKC/FKA SERIES



Introducing a new type of 1-Way ceiling cassette with streamed interior dimensions and a sharp, sleek appearance.

Cooling Only: FKCAQ50AV16 & FKCF71CRV16
Cooling & Heating: FKAQ50AV16 & FKCA71CRV16



5-Step
Fan Speed



Low Ceiling
Height indoor
Unit -166mm



QUIET



COMPACT



Automatic
Air Swing



DRAIN PUMP
MECHANISM

Optional

NAVIGATION REMOTE CONTROLLER (Wired Remote Controller)

NEW
BRC1E63

Note: Remote controller cable is not included and must be obtained locally.
*For individual air flow direction control wired remote BRC1E63 is required



WIRELESS REMOTE CONTROLLER

A signal receiver must be added to the indoor unit.



Wireless Remote Standard

Cooling : BRC91A157
Heating : BRC91A152

Receiver Kit-BRC63AV



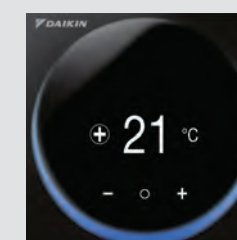
Backlit
Operation

MADOKA

(Stylish Remote Controller)



BRC1H61W (White)



BRC1H61K (Black)

Available Color Panel Option

White



BYKQ63AW

Silver



BYKQ63AHS

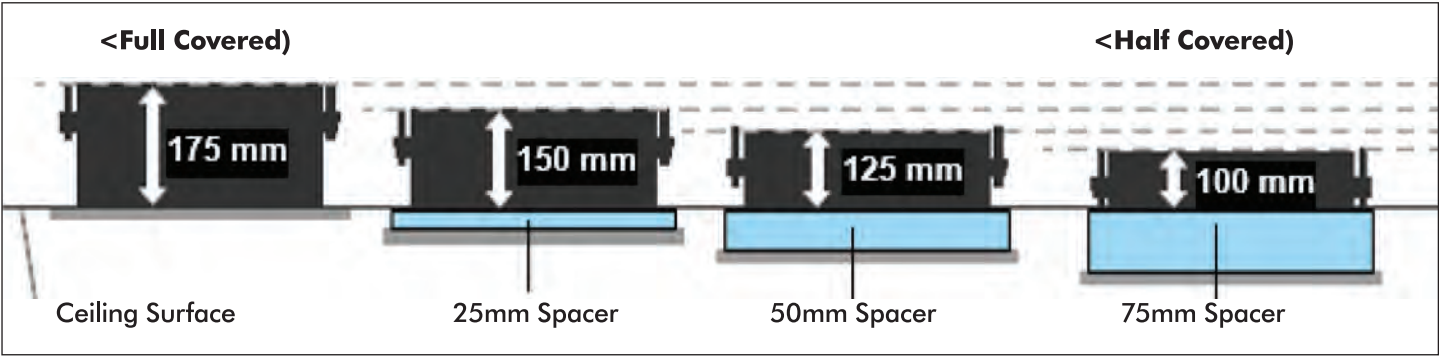
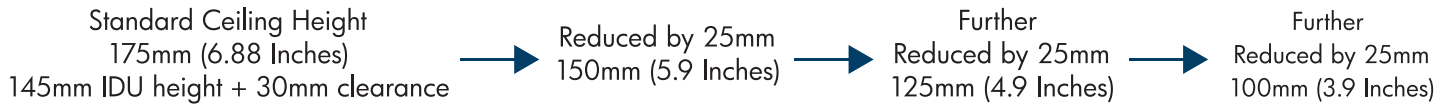
IDU Dimension in mm (WxHxD) 1200X140X515

FEATURE-FKC/FKA SERIES

Feature Details	FKC/FKA
Compact & Elegant Design Indoor Unit	●
Low Ceiling Height Indoor Unit -166mm	●
Automatic Air Swing	●
Swing Pattern Selection	●
5-Step Fan Speed	●
High Ceiling Application	●
Night Quiet Operation	●
In-Built Drain Pump Mechanism (up to 700mm Lift)	●
Pre-Charge for up to 7.5m	●
Self-Diagnosis Function	●
Weekly Schedule Timer	●
Option of PM 2.5 Filter with standard Pre Filter for maintaining better IAQ	●
Anti-Corrosion treatment on Outdoor heat exchanger Copper tubes (Benzotriazole -BTA oil)	●
Over Voltage PCB	●
On/Off Timer Selector	●
Auto Swing	●
Program Mode-Cool, Dry, Auto and Fan Mode (Heat Mode for FKA)	●
Auto Restart	●

INSTALLATION WITH SPACERS TO ADJUST CEILING HEIGHT

This IDU can also be installed in low height false ceilings i.e. the requirement of minimum ceiling height required can be reduced up to 91 mm from 166mm with multiple spacers (25mm each) from 25mm to 75mm

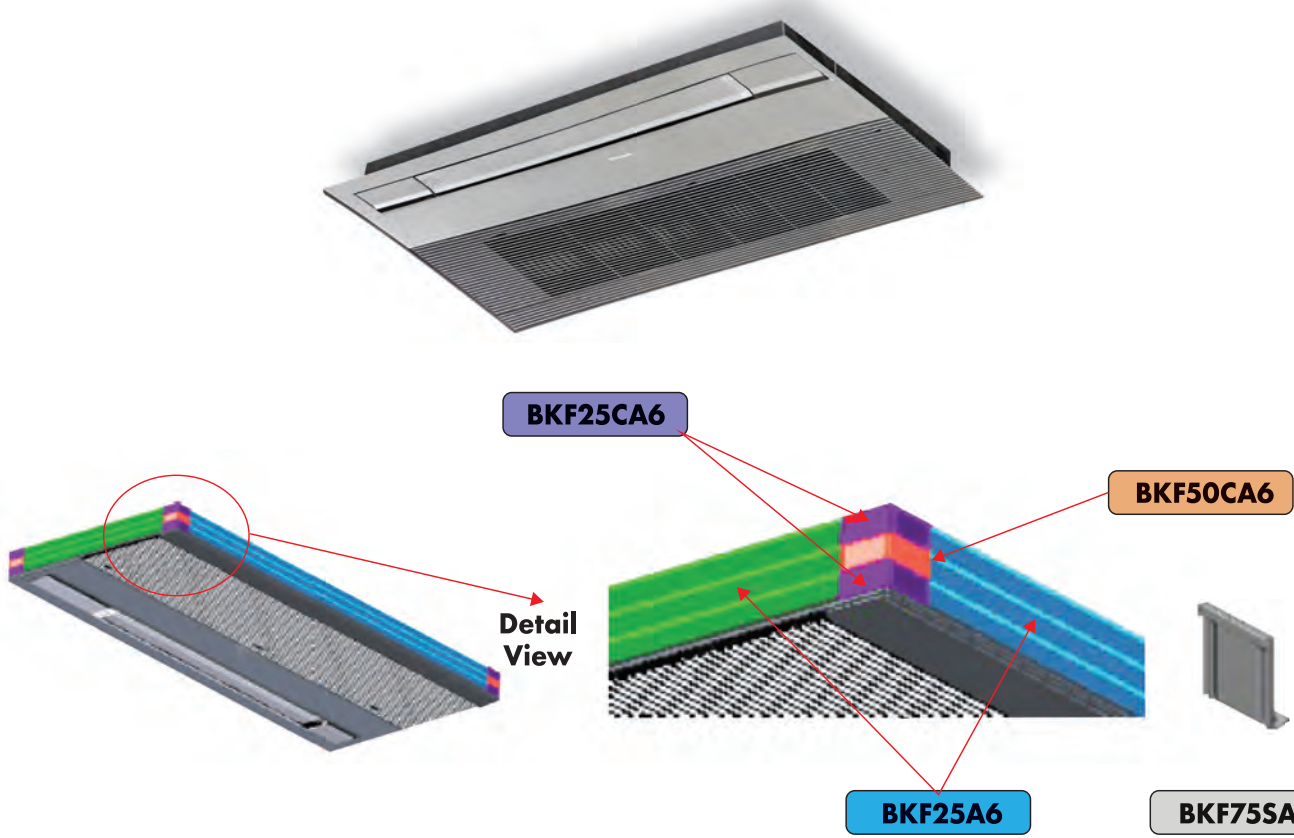


Optional List

Spacer Kit Detail:

Item Name	Required Height (mm)		Space Kit-Model Name			
			BKF25A6	BKF25CA6	BKF50CA6	BKF75SA6
			Spacers (Nos): 2 + 2	Comers 4 Nos + Screws 4 Nos	Comers 4 Nos + Screws 4 Nos	Installation Hook: 6 Nos
Spacer Assembly	25 (mm)	App. Model/Qty.	1	1	X	X
		Item/Images			NA	NA
	50 (mm)	App. Model/Qty.	2	2	1	X
		Item/Images				NA
	75 (mm)	App. Model/Qty.	3	3	1	1
		Item/Images				

75mm Spacer



ROUND FLOW CEILING MOUNTED 3x3 CASSETTE TYPE

FCFQ-Series
Cooling only

FCFQ SERIES

COOLING ONLY

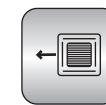


R-32



**Cassette air conditioner
with 360° uniform airflow
sets the standard**

**FCFQ50/71/90/100/125/140
(with 3 star) w/o sensing panel**



INDIVIDUAL AIR
FLOW CONTROL



SILVER ION
ANTIBACTERIAL
DRAIN FAN



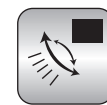
NIGHT QUIET
OPERATION



D III NET
COMPATIBLE
(OPTIONAL)



DRAIN PUMP
MECHANISM



SWING PATTERN
SELECTION

ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless Handset

Standard



BRC91A152
(Cooling Only)

Receiver Kit
BRC7M632F-6

1 TR (Tons of Refrigeration) = 3.517 kW

ACCESSORY REQUIRED FOR INDOOR UNIT

Navigation Remote (Optional)

Wired Remote Controller



BRC1E63
(Cooling Only)



FEATURE – FCFQ SERIES

Feature		FCFQ
Energy Saving	Energy consumption monitoring *1	•
	Auto display OFF *3	•
	Setpoint auto reset *3	•
	Setpoint range set *3	•
	Circulation airflow *3	•
	Quick start *3	•
	Individual airflow control *3	•
	Infrared presence sensor	Not Available
	Infrared floor sensor	Not Available
	Humidity sensor	•
Comfort	Auto airflow function *3	Not Available
	Auto swing	•
	Swing pattern selection	•
	Switchable fan speed	5 step
	Auto airflow rate	•
	Two selectable temperature-sensors *3	•
	High ceiling application	3.5m/4.2m
	Night quiet operation *4	•
Cleanliness	Anti-bacterial air filter	•
	Silver ion anti-bacterial drain pan	•
Work & Servicing	Drain pump mechanism	•
	Pre-charged for up to 2.0 TR -15m & above 2.0 TR 30m	•
	Long-life filter	•
	Filter sign	•
	Low gas pressure detection *4	•
	Emergency operation	•
	Self-diagnosis function	•
	Auto-restart	•
Control	Control by 2 remote controllers	•
	Group control by 1 remote controller	•
	External signal forced OFF and ON/OFF	•
	Emergency operation	•
	External command control *6	Optional
	Central remote control	Optional
	Interlock control with Heat Reclaim Ventilator	•
	DIII-NET communication standard	Optional
Options	High-efficiency filter	•
	Ultra long-life filter	•
	Fresh air intake kit	•
	Overvoltage printed circuit board *4	•

Notes:

*1: Applicable when BRC1E62/63 is used

*3: Applicable when BRC1E63 is used

*4: For outdoor units

*6: Wiring adaptor for electrical appendices (and installation box) is necessary

*7: Option is required

*8: It is not possible to use 2 wireless remote controllers. Combination of BRC1E63 (main) and BRC7M (sub) is available. *Applicable with wired remote controller.



NON INVERTER SERIES

ROUND FLOW CEILING MOUNTED 3x3 CASSETTE TYPE

FCQF Series
Cooling only

FCQF SERIES

COOLING ONLY



New eight way discharge panel

FCQF18/24/30/36/42/48



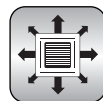
7-SEGMENT
TEMPERATURE
DISPLAY



SLEEP MODE



POWER CHILL
OPERATION



SURROUND
AIR FLOW



FRESH AIR
INTAKE



BRANCH DUCT
CONNECTION

ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless handset

Standard



BRC91A151
(Cooling Only)

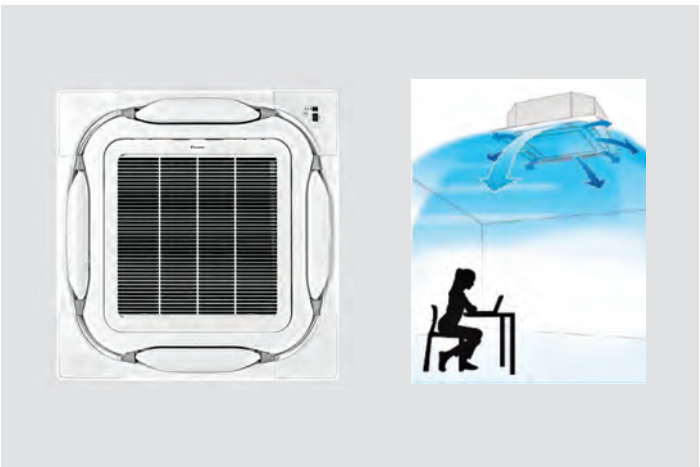
1 TR (Tons of Refrigeration) = 3.517 kW

FEATURES

Main Functiona	Brief of Function
ON/OFF	To Start/Stop the Unit
Mode	Cool Mode Fan Mode Dry Mode
Temperature	The Default Set Temperature will be 24°C and User can change desired temperature between 18°C to 32°C
Fan Speed	Fan Speed can be set to "Auto>Low>Low Medium>Medium>Medium High>High"
Power Chill	System will Operate at Maximum Efficiency for Powerful cooling for 20 Minutes .
Swing	Flaps will Start to swing /Stop at a Desired position.
Good Sleep	User can prevent excessive cooling of room during sleep.
Coanda	Directs airflow upwards.
Econo	This operation enables efficient operation by limiting the power consumption
Timer	ON Timer can be set from 1 hour to 12 hours OFF Timer can be set from 1 hour to 9 hours
Display	Display set temperature and error code in 7-Segment display in deco panel
Child Lock	Setting the Childlock disables all the buttons except the child lock .

Surround Air Flow

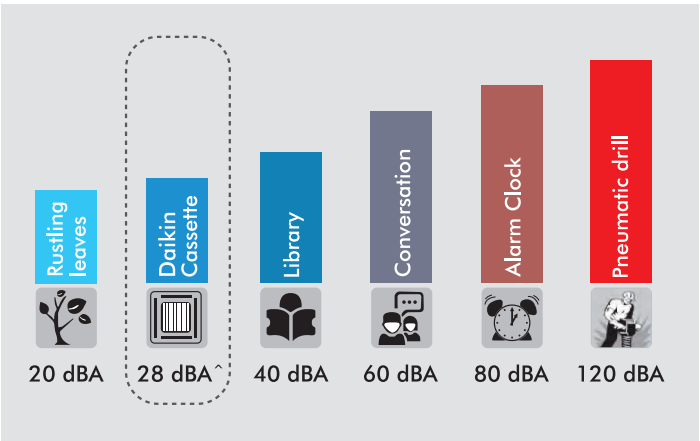
There are four additional vents for air drafts at the corners of the panel that provide enhanced air coverage. With additional feature of automatic air swing, comfortable air can be delivered to high ceiling rooms.



Superior Sound Level

With the use of Daikin's latest technology turbo fan, cassette FCQF-A series is able to achieve exceptionally low noise level.

Once the Quiet Mode* is enabled, indoor fan will run at the lowest speed, allowing the sound pressure level to go as low as 28dBA**.

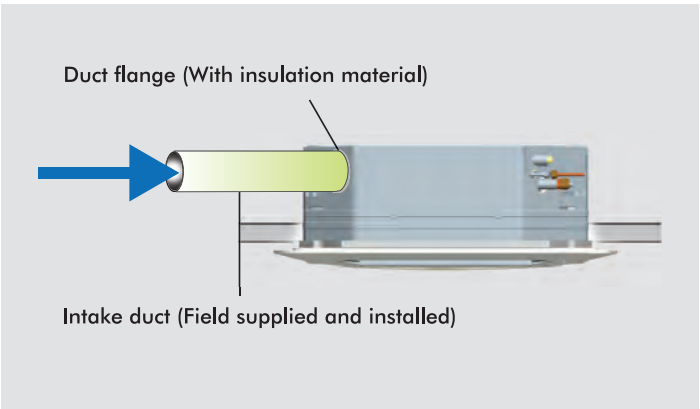


**refer to model size 1.5TR & 2.0TR

WORK & SERVICING

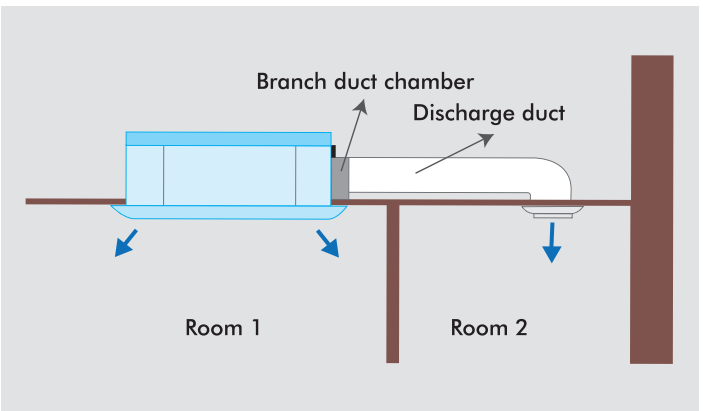
Fresh Air Intake

Keeps the introduction of fresh air intake within 20% of total air flow.



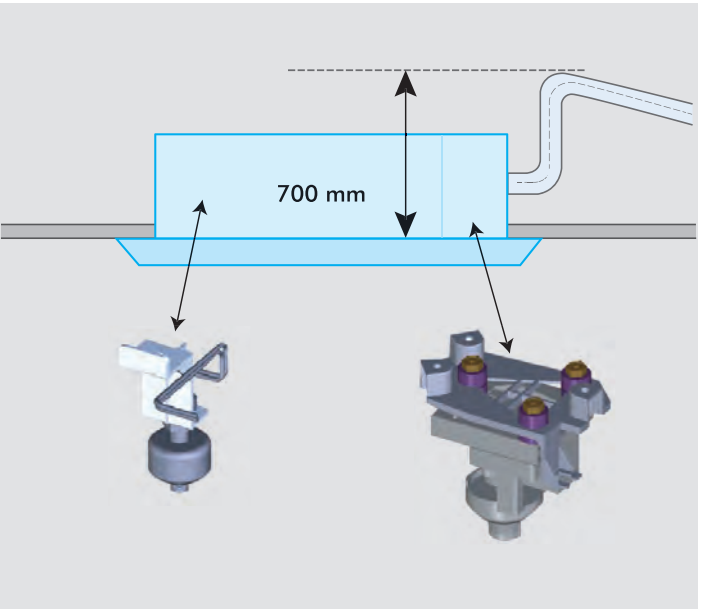
Branch Duct Connection

Improves airflow distribution when there is an obstruction It allows usage of air-conditioning for two rooms simultaneously.



Built-in High Head Drain Pump

The unit comes with a 700mm built-in, high head drain pump. A safety float is incorporated in the drain pump to monitor its water level.



Function Line-Up

ABUNDANCE OF FUNCTIONS THAT PROVIDE COMFORTABLE AIR-CONDITIONING IN STORES AND OFFICES

ENERGY SAVING

Energy consumption monitoring

Past power consumption is displayed for the current and previous days as well as in weekly and yearly intervals.

Sensing sensor stop mode

When the room is unoccupied, the system stops automatically.

Sensing sensor low mode

When the room is unoccupied, the set temperature is shifted automatically.

Auto display OFF

While operation is stopping, the LCD display can be turned off. It can be displayed again when any button is pressed.

Setpoint auto reset

Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.

Setpoint range set

Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

OFF timer (programmed)

Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts.

Weekly schedule timer

Up to five operation ON/OFF settings can be programmed per day for each day of the week. Not only can the time be set for the operation ON setting, but also the temperature.

ON/OFF timer

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

COMFORT

Circulation airflow

At the start of operation, airflow changes repeatedly between horizontal flow and downward flow (swing during cool operation), and air is sent throughout the room to eliminate uneven temperatures.

Setback

Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.

Quick start

At operation start, capacity priority operation is possible.

Individual airflow control

Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

Infrared presence sensor

The sensor detects the presence of people in each of the 4 areas.

Humidity sensor

Not only temperature but also humidity is detected, and adjustments are made for comfortable air conditioning.

Auto airflow function

When this function is set, airflow direction can be directed toward or away from people when human presence is detected.

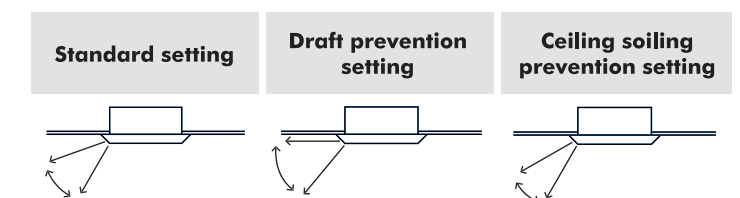
Auto swing

Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.

- The airflow direction can be fixed at your desired angle by the remote controller.

Swing pattern selection

You can freely set air discharge settings by remote controller.

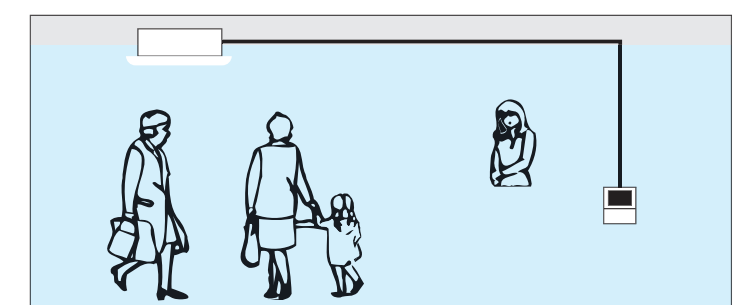


Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.



Note: Some features are only available on selected models.
See overview pages for full list of features applicable to each unit.

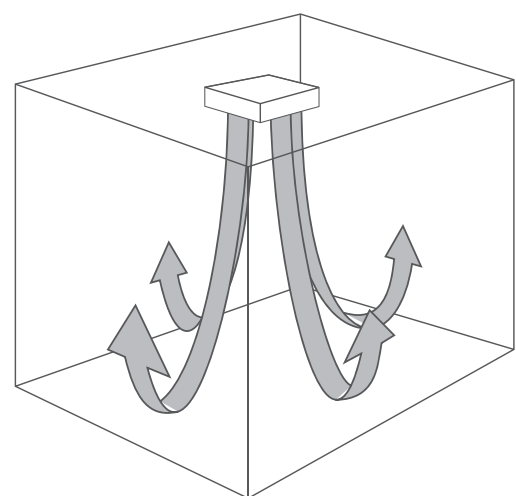
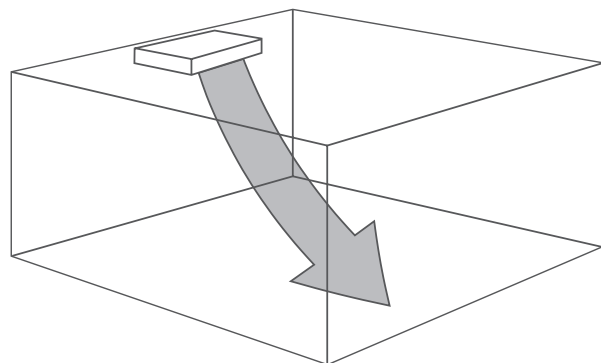
FUNCTION LINE UP (Contd.)

Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further increase the comfort level.

- Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.

Note: Wireless remote controllers have no temperature-sensor.



High ceiling application

Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.

Note: When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

Night quiet operation

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

CLEANLINESS

Anti-bacterial air filter

The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

Mould-proof air filter

Sanitary filter has mould-resistant treatment.

Silver ion anti-bacterial drain pan

A built-in anti-bacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause odours and clogging.

Mould-proof drain pan

Mould-proof drain pan prevents growth of mould in highly humid conditions.

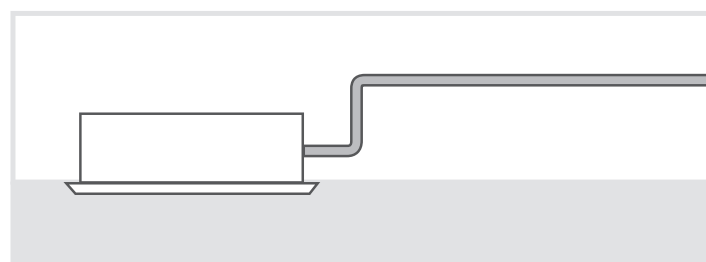
WORK & SERVICING

Auto grille panel

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille

Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



Pre-charged for up to 30 m

If refrigerant piping length does not exceed 30m, there is no need for on-site gas charging.

Long-life filter

Maintenance is not required for one year*. The filter is washable and can be reused.

**For dust concentration of 0.15 mg/m³*

Filter sign

The filter sign warns you when it is time to clean the filter.

**When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.*

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During test run after installation and regular inspection, the refrigerant level is monitored by a microprocessor to maintain proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

Emergency operation

Even if there is a malfunction elsewhere in the system, the fan or compressor can still be operated. (depending on the malfunction)

Self-diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Service contact display

When installing the unit, registration of the service contact is available to the wired remote controller.

CONTROL

Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

**When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers. Combination of BRC1E63 (main) and BRC7M (sub) is available.*

Group control by 1 remote controller

You can turn up to 16 indoor units ON/OFF with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External equipment interlock

Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment. Power conservation is possible though the interlock of external equipment, such as lighting, with the infrared presence sensor.

**Adaptor for Wiring (and installation box) is necessary.*

External signal forced OFF and ON/OFF operation

The air conditioner can be interlocked with the keycard system and turned ON/OFF by locking and unlocking the room. The air conditioner can be also be turned OFF by the interlock with the ventilation and lighting OFF signal.

**Field setting with remote controller.*

External command control

Operation and monitoring is carried out using the contact signal from the operation control box in the building monitoring room.

Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 km away.

Interlock control with Heat Reclaim Ventilator

Enables interlocking control with external equipment such as Heat Reclaim Ventilator.

DIII-NET communication standard*

Connection to a centralised control system is available without need for an optional adaptor.

**Available in Inverter Series only.*

OPTIONS

High-efficiency filter

Two types are available: 65% and 90% colorimetry.

Ultra long-life filter

Requires no maintenance for about 4 years* (10,000h) in stores and offices.

**For dust concentration of 0.15 mg/m³*

Fresh air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Overvoltage PCB

Optional circuit eliminates the need for a stabiliser and offer additional protection for devices in the outdoor unit, such as its fan motor and compressor.

Application Of The Product



RETAIL

Versatility and control are the keys to create a comfortable condition within trading areas and changing rooms that will keep customers shopping. It's important to select a system that offers excellent performance, while minimising operating costs and energy consumption.



OFFICES/BANKS

The challenge for an office or bank is the ability to effectively heat or cool open plan areas as well as meeting rooms. Cooling a meeting room when it is empty will mean running costs mount up unnecessarily. Conditions within open-plan areas are important for staff comfort levels.



IT & SERVER ROOMS

Computer systems run round the clock and require a controlled temperature environment to operate effectively. Equipment in these rooms can generate a lot of heat and not removing the heat effectively can cause computer servers to malfunction. Downtime from inoperable servers can mean lost business and productivity.



RESTAURANTS

Guests expect a perfect atmosphere, including comfortable conditions. Heat generated from lighting, the kitchen area and the dining area can all contribute to make restaurants uncomfortable with inadequate air-conditioning. Air-conditioning needs to be discreet and flexible to meet the demands of your restaurant and customers.



CEILING CONCEALED TYPE DUCTABLE AIR CONDITIONERS

INVERTER SERIES

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE

FDMF Series
Cooling only

FDMF SERIES

COOLING ONLY



R-32



Compact Indoor Unit Height (300 mm)

Flexible use of space is made possible using ducts to create a room filled with comfort.

The compact, and elegant design Ceiling Concealed Indoor Unit of the FDMF Series are the perfect answers for the air-conditioners requirements of building with minimum Ceiling Installation space and wide-ranging external static pressure, energy saving efficiency has been improved, thereby reducing electricity consumption.

FDMF50/71/90/100/125/140



USE REMOTE CONTROLLER TO ADJUST AIRFLOW



HIGH EFFICIENCY SWING ROTARY COMPRESSOR



HIGH AMBIENT TEMPERATURE WORKING UP TO 48°C



MOST SILENT INDOOR OPERATION *26 dB



HIGH PRESSURE & COMPRESSOR OVERLOAD SAFETY



UNDER VOLTAGE & OVER VOLTAGE PROTECTION FOR ODU

ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless LCD Remote Controller

A signal receiver must be added to the indoor unit.



BRC4M151W16

BRC4M61-6



SIGNAL RECEIVER UNIT (Installed type)

Wireless remote controller and signal receiver unit are sold separately.

Navigation Remote Controller



BRC1E62/BRC1E63 (Wired Remote Controller)

Note: Remote controller cable not included. Cables must be procured locally.

FEATURES

FDMF		Cooling Only
Comfort	Switchable fan speed (3-speed fan setting)	•
	Programme 'Dry'	•
	Two selectable temperature-sensors	*1
	Hot start (after defrost)	—
	Year-round cooling applicable	—
	Night quiet operation	*2
	Timer selector	•
	Weekly schedule timer	*3
Cleanliness	Anti-bacterial air filter	*4
	Silver ion anti-bacterial drain pan	•
Work & Servicing	Drain pump mechanism	•
	Pre-charged for up to 30 m for 90-140 models	•
	Pre-charge for up to 15m for (50/71) models.	•
	Long-life filter for 90-140 models	*4
	Filter sign	•
	Low gas pressure detection	*2
	Emergency operation	•
	Self-diagnosis function	•
Control Features	Auto-restart	•
	Auto-cooling/heating change-over	—
	Control by 2 remote controllers	•
	Group control by 1 remote controller	•
	External command control	•
	Central remote control	•
	Interlock control	•
Options	High-efficiency filter	•
Others	Anti-corrosion treated heat exchangers	*2

*1 Applicable when wired remote controller is used

*2 For outdoor units

*3 Applicable when BRC1E62 is used

*4 Option

#Due to continuous R&D, features may vary from model to model

COMFORT

• QUIET OPERATION

dBA		
INDOOR UNIT	HIGH	LOW
50 D	33	26
71 D	38	34
90 D	38	32
100 D	38	32
125 D	42	35
140 D	42	35

• TWO SELECTABLE TEMPERATURE-SENSORS

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control. This feature must be set during commissioning by the technicians.

Temperature-sensor on indoor unit must be used when the air-conditioner is controlled from another room. Wireless remote controller does not have a temperature-sensor.

• INCREASED FREEDOM OF DESIGN, THANKS TO VARIABLE CONTROL OVER EXTERNAL STATIC PRESSURE

Comfort airflow achieved in accordance with conditions such as duct length. Using a DC fan motor, the external static pressure can be controlled within a range of 50 Pa to 200 Pa.

Freely control external static pressure



Set to low static pressure when ducts are short.

Set to high static pressure for advanced needs such as when using dampers and long ducts.

1 TR (tons of refrigeration) = 3.517 KW
*Applicable for selected models

FDMFQ SERIES

COOLING ONLY



Compact Indoor Unit Height (300 mm)

Flexible use of space is made possible using ducts to create a room filled with comfort.

FDMFQ50/71/90/100/125/140

- USE REMOTE CONTROLLER TO ADJUST AIRFLOW
- HIGH EFFICIENCY SWING ROTARY COMPRESSOR
- HIGH AMBIENT TEMPERATURE WORKING UP TO 50°C
- HIGH PRESSURE & COMPRESSOR OVERLOAD SAFETY
- UNDER VOLTAGE & OVER VOLTAGE PROTECTION FOR ODU

ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless LCD Remote Controller

A signal receiver must be added to the indoor unit.

BRC4M151W16

BRC4M61-6
SIGNAL RECEIVER UNIT
(Installed type)

Wireless remote controller and signal receiver unit are sold separately.

Navigation Remote Controller

BRC1E63
(Wired Remote Controller)

Note: Remote controller cable not included. Cables must be procured locally.

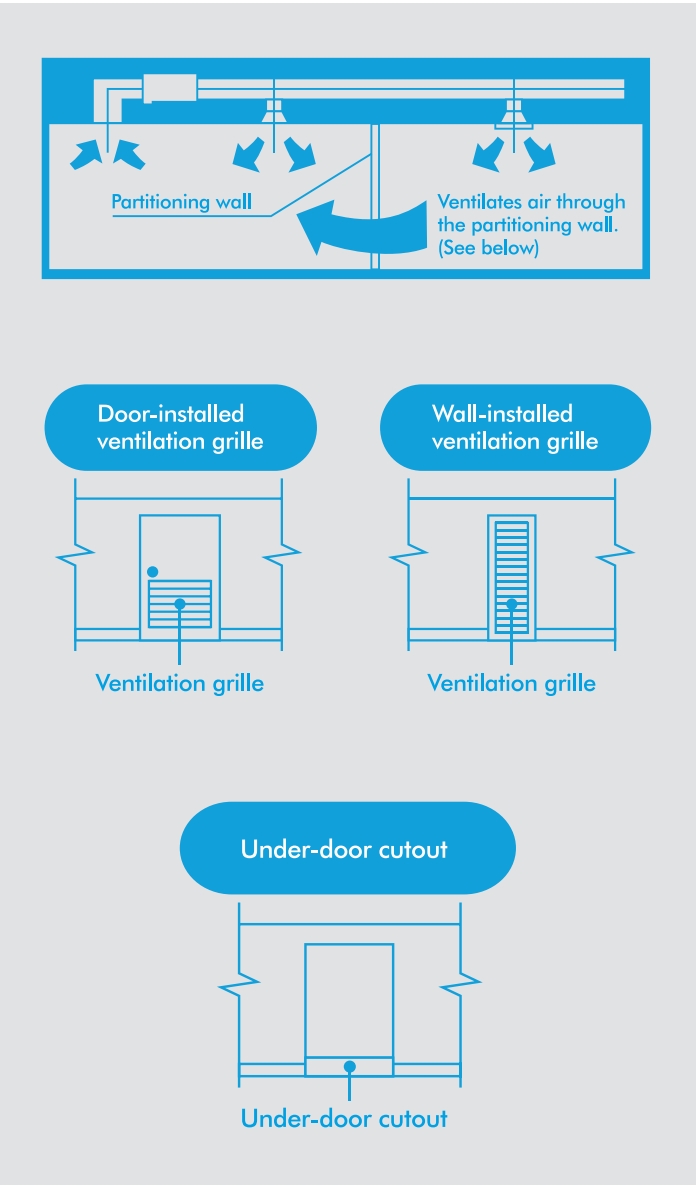
1 TR (tons of refrigeration) = 3.517 KW
*Applicable for selected models

FEATURE	FDMFQ
High Efficiency Swing Compressor	•
Night Quiet Operation	•
Silver Ion Anti-bacterial Drain Pan	•
DIII Net Compatibility	•
Auto Restart	•
Self-Diagnosis Function	•
High Pressure Compressor Overload Safety	•
Under Voltage & over Voltage Protection for ODU	•
Drain Pump Mechanism	•
*Anti-Corrosion Treatment on Outdoor Heat Exchanger Copper Tubes (Benzotriazole-BTA oil)	•
Programme Mode-Cool, Dry, Auto and Fan	•
Two Selectable Temperature Sensors (Via-Wired Remote)	•
Switchable Fan Speed (2,3 Step)	•
Pre-charged for up to 10m	•
Filter Sign	•
Emergency Operation	•
Overvoltage Printed Circuit Board	•
Weekly Schedule Timer (When wired remote BRC1E62/3 is used)	•

*Available in selected models.

• **SIMULTANEOUS AIR-CONDITIONING OF TWO ROOMS AND VENTILATION GRILLE (VENTILATION OPENING)**

When air-conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air-conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



Note: The under-door cutout method should be used only when there is a small volume of airflow.

CLEANLINESS

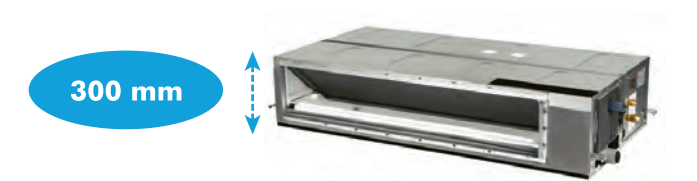
• **BACTERICIDAL TREATMENT FOR DRAIN PAN**

Anti-bacterial treatment that includes silver ions, is used which assists in preventing the growth of microorganisms that cause smells and clogging.

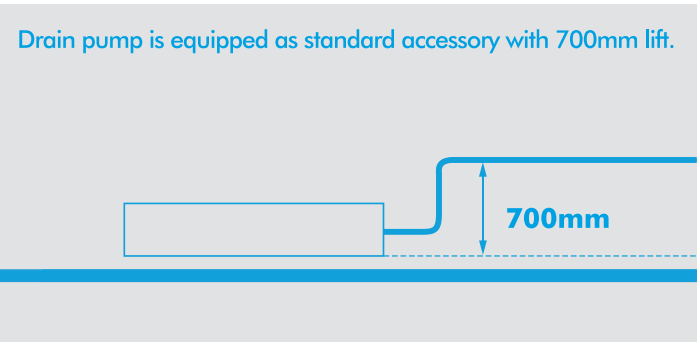
WORK & SERVICING

• **THIN, LIGHTWEIGHT INDOOR UNIT MAKES DELIVERY AND INSTALLATION EASY**

With a height of only 300mm, installation is possible even in buildings with narrow ceiling spaces.



Indoor unit	Height (mm)	Width (mm)	Depth (mm)	Machine weight (kg)
50 D	300	1,000	700	34
71 D	300	1,000	700	34
90 D	300	1,400	700	43
100 D	300	1,400	700	43
125 D	300	1,400	700	45
140 D	300	1,400	700	45



• **REDUCED INSTALLATION TIME**

USE REMOTE CONTROLLER TO ADJUST AIRFLOW
 When testing standard integrated ceiling units that employ duct work, much time is required to adjust airflow to the right level. Thanks to the ability provided by Daikin to automatically perform this troublesome adjustment using a remote controller, this step is now quick and easy. (Adjust by H tap).

1. Adjust to **approximately** ±10% of the rated H tap airflow.
2. Once **actual operation** has begun, adjustment of the rated airflow is **not possible**.

• **EASY MAINTENANCE**

Maintenance is easy because the drain pan can be removed.

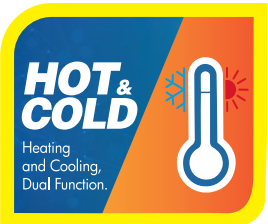


FDMA SERIES

Cooling and Heating

INVERTER

R-32



Compact Indoor Unit Height (300 mm)

The compact and elegant FDMA Series ceiling-concealed indoor unit is ideal for buildings with limited ceiling space. It supports a wide range of external static pressure and delivers improved energy efficiency, reducing electricity consumption.

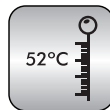
Indoor Unit: FDMA50/71/100/125/140



USE REMOTE CONTROLLER TO ADJUST AIRFLOW



HIGH EFFICIENCY SWING ROTARY COMPRESSOR



HIGH AMBIENT TEMPERATURE WORKING UP TO 52°C



HIGH PRESSURE & COMPRESSOR OVERLOAD SAFETY



UNDER VOLTAGE & OVER VOLTAGE PROTECTION FOR ODU

FEATURE – FDMA SERIES

FEATURE	FDMA
Programme Mode-Cool, Dry, Auto, Heat, Fan	●
High Efficiency Swing Compressor	●
Two Selectable Temp sensor (via wired remote)	●
Silver ion anti bacterial drain pan	●
Switchable speed (3 Steps)	●
Drain pump mechanism	●
DIII Net Compatible	●
Filter Sign	●
Emergency operation	●
Self Diagnosis function	●
Auto Restart	●
Weekly Schedule timer (via wireless remote)	●
ON, OFF Timer Selection	●
Remote Backlight	●
Anti Corrosion Treatment on Outdoor Heat Exchanger Copper Tubes (BTA Oil)	●



ACCESSORY REQUIRED FOR INDOOR UNIT

Wireless LCD Remote Controller

A signal receiver must be added to the indoor unit.



BRC4C65

Wireless remote controller is sold separately

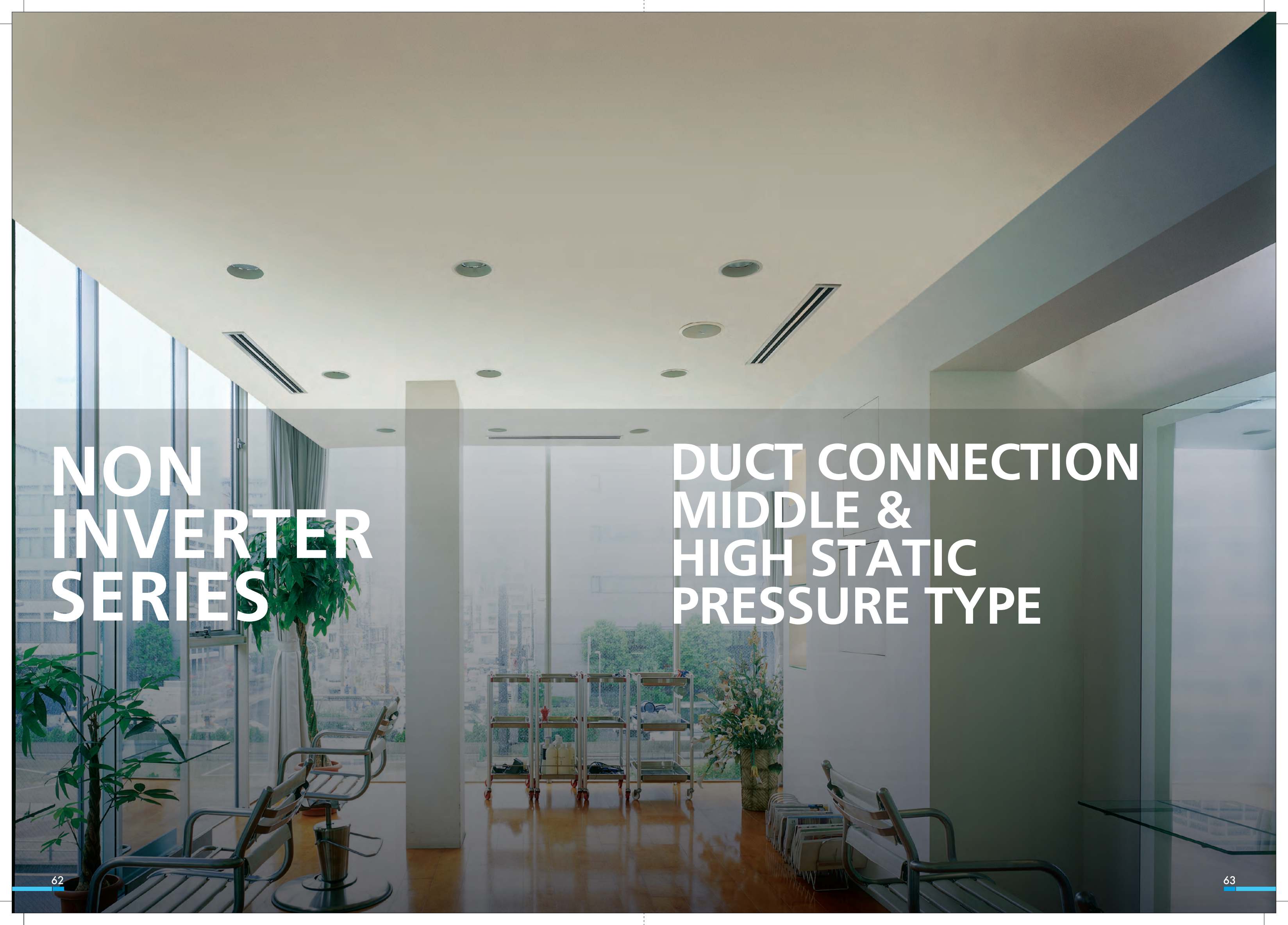
Navigation Remote Controller



BRC1E63
(Wired Remote Controller)

Note: Remote controller cable not included. Cables must be procured locally.

1 TR (tons of refrigeration) = 3.517 KW
*Applicable for selected models

A wide-angle photograph of a bright, modern hospital waiting area. The room features large floor-to-ceiling windows on the left side, offering a view of a cityscape. The ceiling is white with several recessed circular lights and two long, rectangular air vents. The floor is made of polished wood. In the foreground, there are several metal-framed chairs with wooden slats. A large potted plant is on the left, and a smaller one is in the center. In the background, there are four metal medical carts with wheels, each with multiple shelves. A glass partition is visible on the right side of the room.

NON INVERTER SERIES

DUCT CONNECTION MIDDLE & HIGH STATIC PRESSURE TYPE

FDMR

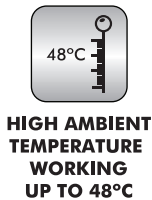
COOLING ONLY

R-410A

Compact Indoor Height 375mm

Flexible use of space is made possible using duct to meet high static and large airflow for wider coverage commercial requirements

FDMR36



FDMR36ERV16

3.0 TR

(Cooling)

ACCESSORY REQUIRED FOR INDOOR UNIT

Wired Handset

Standard

LCD TYPE
(Applicable for FDMR/FDR/FD)

CAPACITY	TONNAGE (TR)
3.0 TR NON INVERTER DUCT R-410A	3.0
STATIC PRESSURE	30 Pa

Wired Handset

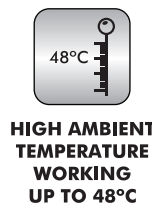
Option

BRC4N151
(Cooling Only)

FDB/MF SERIES

COOLING ONLY

Enhance the décor of your room with the new unobtrusive concealed series



FDBF12~FDMF48 (Cooling Only)

3.5 KW~14.0 KW

COOLING

R-32

ACCESSORY REQUIRED FOR INDOOR UNIT

Wired Handset

Standard

LCD TYPE
(Aplicable for FDB/MF)

Wired Handset

BRC4N151
(Cooling Only)

*Available with FDMQN models.

FEATURES FDB/MF

WIDE EXTERNAL STATIC RANGE

Wide static range makes these series suitable to wide applications. Low static machines finds their application at applications. Low static machines finds their application at applications. Low static machines finds their application at space constraint areas i.e. Hotels and apartments. This series offering includes mid static machines also which meet the static requirements of long ducts and multi zones.

Refrigerant	Model Size (TR)	1.0	1.5	2.0	2.5	2.8	3.5	4.0
R-32	Static (Pa)	20	20	20	20	30	40	50

LOW HEIGHT APPLICATION

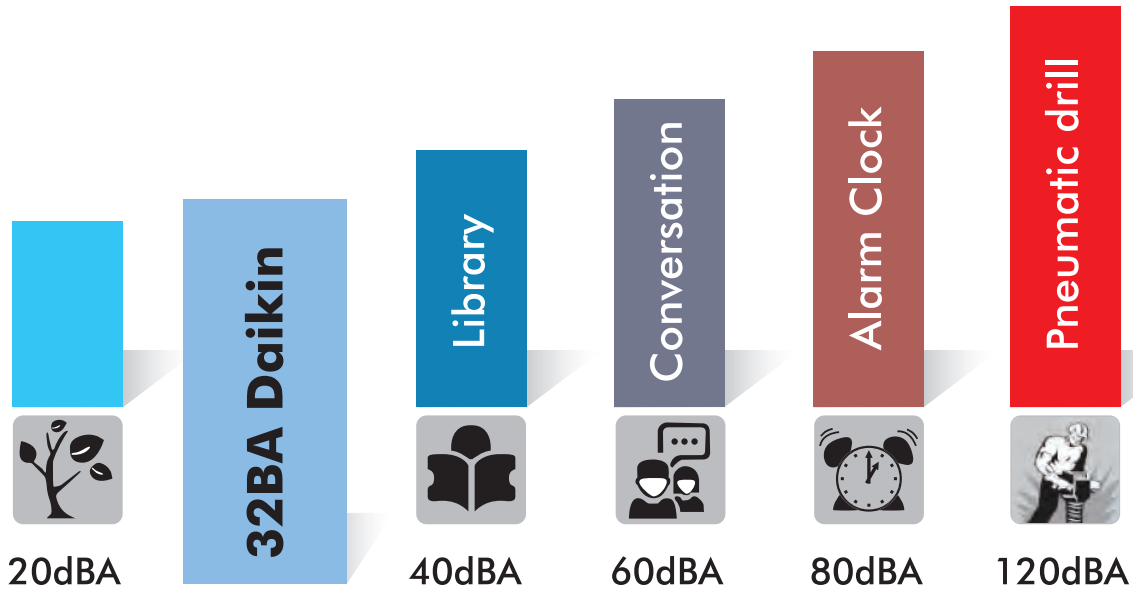
New residential and commercial spaces, HVAC requirement are tilting towards low height indoor machines. FDBF range of low static machines with unit's height as low as 250 mm are the perfect match for low ceiling height installations.

Model Size (TR)	1.0	1.5	2.0	2.5	2.8	3.5	4.0
Static (Pa)	250	250	250	295	295	295	295

QUIET OPERATION

Daikin ceiling concealed machines are designed to keep enclosed area super quiet. Enclosed areas air-conditioned by FDBF machines are quieter than libraries.

Model Size (TR)	Speed	1.0	1.5	2.0	2.5	2.8	3.5	4.0
Sound Level dBA	H	36	39	43	43	42	42	49
	M	34	36	40	40	39	39	45
	L	32	34	38	38	36	36	43



FEATURES



NEW WIRED LCD REMOTE CONTROLLER

New LCD based wired type remote handset with alphabetic error display like HP, LP, SPPR, indoor fan current sensor etc. In-built energy saver dedicated button and glossy finish.



AMBIENT TEMPERATURE HIGH PERFORMANCE EVEN AT HIGH AMBIENT TEMPERATURE

Always keeping your comfort in mind, Daikin ducted air conditioners work at high ambient temperature (48°C) without tripping. Get the best out of Daikin ducted air conditioners even in hot weather conditions.



UNDER VOLTAGE AND OVER VOLTAGE PROTECTION

Given the erratic electricity supply it becomes important that your air conditioners are guarded against under voltage and over voltage. Daikin ducted air conditioners offer protection against voltage fluctuation thus enhancing the operating life of your air conditioners.



PHASE IMBALANCE VOLTAGE

It is vital that your air conditioner is protected against imbalance and Daikin duct air conditioners offer this protection to ensure reliable operation of the air conditioner.



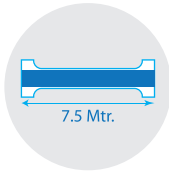
PHASE LOSS PROTECTION

In case of any phase loss Daikin machine will display error on its controller.



PHASE REVERSE PROTECTION

Phase reversal could cause serious problems therefore much care is required to protect the motor from such type of fault. Daikin duct air conditioners offer protection from phase reversal thus enhancing the life of the air conditioners.



PRE-CHARGED REFRIGERANT

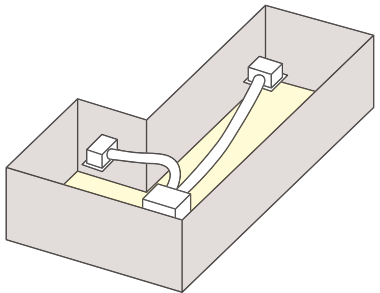
FDMR36ERV16 model is available with pre-charged refrigerant for 7.5 meter piping length. No need for additional refrigerant charge on-site if piping length is upto 7.5 meters.

COMFORT

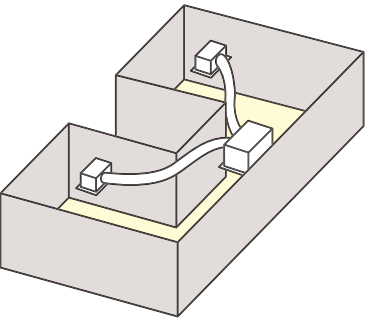
SUPERIOR AIR DISTRIBUTION FOR COMFORTABLE LIVING

The conditioned air can be effectively distributed to every corner of the room through the ducting and this ensures a pleasant environment for comfortable living.

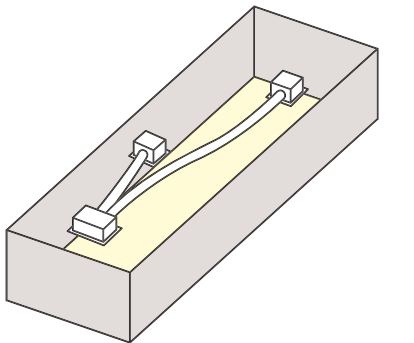
L-SHAPED ROOM



U-SHAPED ROOM



LONG ROOM



Application Of The Product



RETAIL

Versatility and control are the keys to create a comfortable condition within trading areas and changing rooms that will keep customers shopping. It's important to select a system that offers excellent performance, while minimising operating costs and energy consumption.



OFFICES / BANKS

The challenge for an office or bank is the ability to effectively heat or cool open plan areas as well as meeting rooms. Cooling a meeting room when it is empty will mean running costs mount up unnecessarily. Conditions within open-plan areas are important for staff comfort levels.



IT & SERVER ROOMS

Computer systems run round the clock and require a controlled temperature environment to operate effectively. Equipment in these rooms can generate a lot of heat and not removing the heat effectively can cause computer servers to malfunction. Downtime from inoperable servers can mean business loss and productivity.



RESTAURANTS

Guests expect a perfect atmosphere, including comfortable conditions. Heat generated from lighting, the kitchen area and the dining area can all contribute to make restaurants uncomfortable with inadequate air-conditioning. Air-conditioning needs to be discreet and flexible to meet the demands of your restaurant and customers.



Controllers

EASY-TO-READ LCD REMOTE CONTROLLER ALLOWS VARIOUS SYSTEM CONTROL CONFIGURATIONS AND CAN CONTROL MULTIPLE INDOOR UNITS.

Remote controller options are shown on the page introducing each indoor unit model.

NAVIGATION REMOTE CONTROLLER

(Wired LCD Remote Controller)



BRC1E63

This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

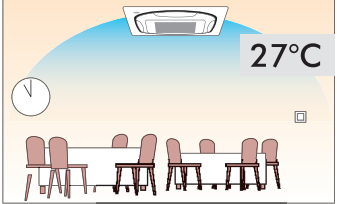
ENERGY SAVING

NEW Setpoint auto reset

- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 min.

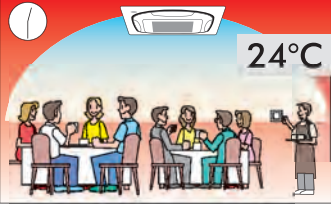
Restaurant example

Restaurant opened



Temperature is set to 27°C

Full tables at lunchtime



Then is lowered to 24°C for crowded room

After 30 minutes*



Returns to 27°C automatically

Automatically returns to preset temperature (27°C)

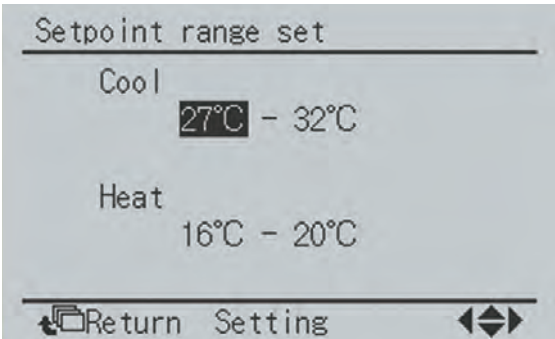
*Preset-return time can be set at 30, 60, 90, or 120 min

OFF timer (programmed)

- Sets and saves setting for an increment of time that automatically turns OFF air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the settings.



CONVENIENCE

5-step airflow control (BRC1E63 only)

Energy consumption monitoring*1, 2, 3, 4

- Past power consumption for the current and previous days (2-hour intervals), week (1-day intervals), and year (1-month intervals) can be checked.

Note:

- *1 Availability of this function may vary according to model (limited to partial functionality)
- *2 Time setting is necessary.
- *3 This function cannot be used during group control.
- *4 This is a reference value for comparison and is not intended as a value for investigation purposes in the calculation of electricity bills or contract for electricity. Because it is a simple calculation of power consumption, there are cases when the calculated value differs with the measurement results of a wattmeter.

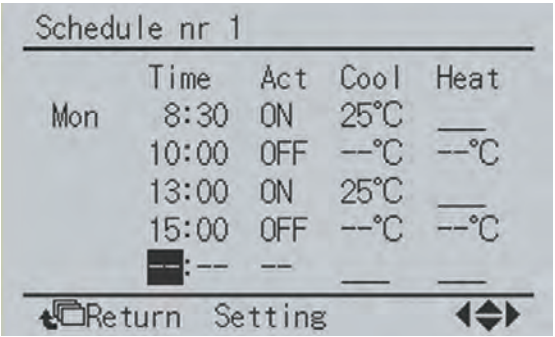
Setback (default: OFF)

- Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.

Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.

- 3 independent schedules can be set. (e.g. summer, winter, mid-season)



NEW Auto display off (BRC1E63 only)

Energy consumption monitoring*1, 2, 3, 4

- While operation is stopping, LCD display can be turned OFF. It will be displayed again if any button is pressed.
- Period can be preset from 10, 30, 60 minutes, and OFF. Initial setting is 30 minutes.



Wired remote controller has built-in temperature-sensor

Enables temperature sensing closer to target area for improved comfort. (When using a remote control from another room, temperature-sensor of the indoor unit air inlet must be selected).

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted cassette type can be remotely set without having to use a stepladder to access for manual setting.
Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).
- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction. (Model name display function applies to BRC1E62/63 only.)

SkyAir shares common control with Heat Reclaim Ventilator and the other Daikin air-conditioning units, thus simplifying interlocking operations.

Easily adaptable to large-scale, high-function, centralised remote control systems.

Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display	Displays auto-swing operating status and setting position of air discharge angle.
Preset temperature/operation mode display	Displays preset room temperature and operating status (fan, dry and cool).
Programming time display	Operation start and stop time can be set for individual timers up to 72 hours. The LCD also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
Self-diagnosis function	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

Interface adaptor for SkyAir series

DTA112BA51 (Option)

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system.

Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

The interface adaptor for SkyAir series is required for Compact multi flow cassette type (FFF).

Stylish remote controller (Option) - Madoka



BRC1H61W (White)



BRC1H61K (Black)

A COMPLETE REDESIGNED
CONTROLLER FOCUSED TO
ENHANCE USER EXPERIENCE



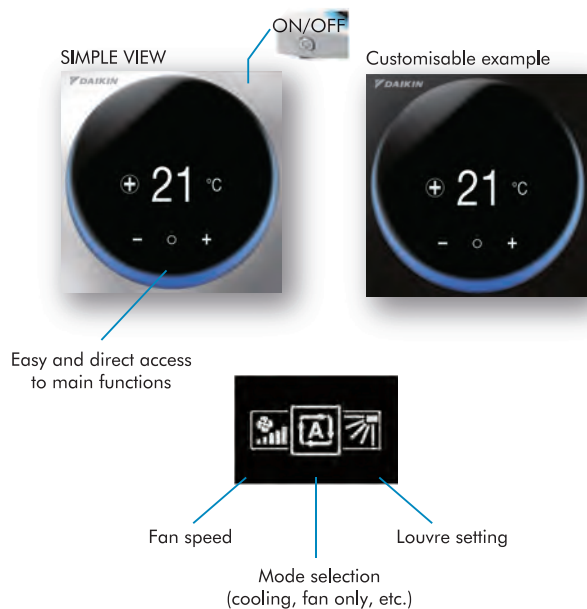
Product Features

- Combines refinement and simplicity
- Echoes the distinct blue circle and simplicity of design
- Two attractive colours to match any interior
- Compact, measures only 85 x 85 mm



User-friendly interface

- Just three buttons and a large-figure display
- Customisable display
- Direct access to basic functions (ON/OFF, Operation mode, temperature setting, Airflow rate and Airflow direction)



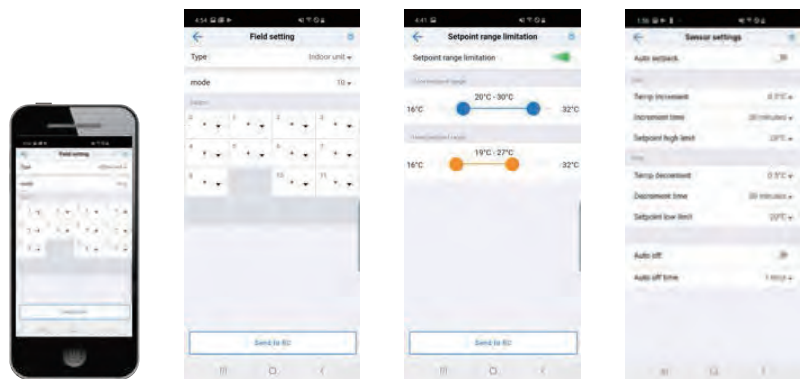
Easy setting via Bluetooth App with smartphone
(For Installer / Facility manager)

Keep hotel room comfortable

- Improved setback function by setting the lower temperature limit in cooling mode.

Shorter installation time

- Easy to create multiple remote control and field settings via App
- Prepare a setting in advance at the office and immediately send it to the on-site remote controller
- Save and reuse settings



<App screen image>

Technical Specification

ROUND FLOW CASSETTE COOLING ONLY -
5 STAR INVERTER R-32 (FCMF-SERIES)



Nominal Capacity (TR)				1.50	1.95	2.99	3.55	3.55	3.98	3.98	
Model Name	Indoor Unit			FCMF50CV16	FCMF71CV16	FCMF100CV16	FCMF125CV16	FCMF125CV169	FCMF140CV16	FCMF140CV169	
	Outdoor Unit			RZCMF50CV16	RZCMF71CV16	RZCMF100CV16	RZCMF125CV16	RZCMF125CV16	RZCMF140CV16	RZCMF140CV16	
Remote	Wireless	Optional	---	BRC91A152							
	Signal Receiver Unit -Model Number		---	BRC7M632F-6							
	Wired	Optional	---	BRC1E63							
Panel Code	With Sensing		---	BYCQ125EEF6							
Power supply				---	230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	230V/50Hz/1ph	400V/50Hz/3ph	230V/50Hz/1ph	400V/50Hz/3ph
Cooling capacity - Rated (min ~max)				kW	5.3 (2.46~5.91)	6.85 (2.92~8.0)	10.51 (5.0~11.2)	12.5 (5.7~14.0)	12.5 (5.7~14.0)	14.0 (6.2~15.5)	14.0 (6.2~15.5)
Power consumption	Cooling-Rated			kW	1.10	1.68	3.10	3.69	3.69	4.10	4.10
Annual Power Consumption				kWh	713.27	922.10	1804.81	2150.22	2150.22	2409.64	2409.64
ISEER / Stars				Wh/Wh	5.75/5 Star	5.75/5 Star	4.51/5 Star	4.50/5 Star	4.50/5 Star	4.50/5 Star	4.50/5 Star
Indoor unit	Colour			Galvanized Steel Plate							
	Airflow rate (H/HW/M/ML/L)		m³/min	23/21/18.5/16/13.5		34.5/31/27.5/24/20		36.5/33/29/25/21			
			cfm	812/742/653/565/477		1218/1095/971/848/706		1288/1165/1024/882/741			
	Sound level (H/HW/M/ML/L)		dB(A)	37/34.5/32/29.5/27.5		45/43.5/40/37/34.5		46/44/41/37/34			
	Dimensions (HxWxD)	Unit	mm	256X840X840		298X840X840					
		Panel	mm	50X950X950							
	Weight	Unit	kg	22		25		27			
		Panel	kg	5.5							
	Drain		mm	VP25 (I.D. Ø 25, O.D. Ø 32)							
Outdoor unit	Colour		---	Ivory White							
	Compressor	Type		Hermetically Sealed Swing Type							
		Motor output	kW	1.1	1.1	1.6	2.4	2.4	2.4	2.4	
	Refrigerant		---	R-32							
	Refrigerant charge		kg	1.2	1.4	2.8	3.1	3.1	3.1	3.1	
	Sound level	Cooling	dB(A)	55	55	51	55	55	55	55	
	Dimensions (HxWxD)		mm	695x900x418	695x900x418	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	
	Machine weight		kg	47	47	62.5	71	71	72.5	72.5	
	Certified operation range		°CDB	21~52							
Piping connections	Liquid (Flare)		mm	6.35		9.52					
	Gas (Flare)		mm	15.88							
Max. interunit piping length				m	30	30	50	50	50	50	
Max. installation level difference				m	20	20	30	30	30	30	

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star Rating Applicable as per ISEER Table defined by Bureau of Energy Efficiency (BEE), Ministry of Power.

ROUND FLOW CASSETTE COOLING & HEATING
INVERTER R-32 (FCA-SERIES)



Nominal Capacity (TR)				1.42	2.02	2.99	3.55	3.98
Model Name	Indoor Unit			FCA50AV16	FCA71AV16	FCA100AV16	FCA125AV16	FCA140AV16
	Outdoor Unit			RZCA50AV16	RZCA71AV16	RZCA100AV16	RZCA125AV16	RZCA140AV16
Remote	Wireless	Optional	----	BRC91A1S2				
	Signal Receiver Unit -Model Number		----	BRC7M632F-6				
	Wired	Optional	----	BRC1E63				
Panel Code	Without Sensing		----	BYCQ125EAF6				
Power supply			----	1 Phase, 230V, 50Hz	1 Phase, 230V, 50Hz	1 Phase, 230V, 50Hz	1 Phase, 230V, 50Hz	1 Phase, 230V, 50Hz
Cooling capacity - Rated (min ~ max)			kW	5.00 (1.80 ~ 5.28)	7.10 (2.50 ~ 8.02)	10.51 (4.03 ~ 11.2)	12.5 (4.03 ~ 13.3)	14.0 (5.01 ~ 14.00)
Heating capacity -Rated			kW	5.00	7.10	11.20	14.0	15.5
Power consumption	Cooling-Rated		kW	1.450	1.850	3.350	4.500	5.090
Annual Power Consumption			kWh	808.21	1111.35	2060.85	2450.8	2787.07
ISEER / Stars			Wh/Wh	4.79/3 Star	4.95/3 Star	3.95/4 Star	3.95/4 Star	3.89/3 Star
Indoor unit	Colour		----	Galvanized Steel Coated Color				
	Airflow rate (H/HW/W/ML/L)		m³/min	18.5/17.5/16.5/13.5/11	23/21/18.5/16/13.5	34.5/31/27.5/24/20	36.5/33/29/25/21	
			cfm	653/618/583/478/388	812/742/653/565/477	1218/1095/971/848/706	1289/1165/1024/883/742	
	Sound level (H/HW/W/ML/L)		dB(A)	41/39/38/35/34	41/39/38/35/32	41/39/38/35/32	46/44/42/39/37	
	Dimensions (H×W×D)	Unit	mm	256×840×840	256×840×840	298×840×840	298×840×840	298×840×840
		Panel	mm	50 X 950 X 950	50 X 950 X 950	50 X 950 X 950	50 X 950 X 950	50 X 950 X 950
	Weight	Unit	kg	19	22	25	25	25
		Panel	kg	5.5	5.5	5.5	5.5	5.5
	Drain		mm	VP25 (I.D. Ø 25, O.D. Ø 32)				
	Outdoor unit	Colour		----	Ivory White			
Compressor		Type	---	Hermetically Sealed Swing Type				
		Motor output	kW	0.92	1.1	3.3		
Refrigerant		---	R-32					
Refrigerant charge		kg	0.72	1.2	2.9			
Sound level		Cooling	dB(A)	52	52	53	53	53
Dimensions (H×W×D)		mm	595X845X300	930×695×418	990×940×320	990×940×320	990×940×320	
Machine weight		kg	28	47	78			
Certified operation range		°CDB	-10°C to 52°C			-15°C to 52°C		
Piping connections	Liquid (Flare)		mm	Ø6.4 (Flare)		Ø9.5 (Flare)		
	Gas (Flare)		mm	Ø12.7 (Flare)	Ø15.9 (Flare)			
Max. interunit piping length			m	20	30	50		
Max. installation level difference			m	16	20	30		

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star Rating Applicable as per ISEER Table defined by Bureau of Energy Efficiency (BEE), Ministry of Power.

COMPACT COOLING ONLY -
3 STAR INVERTER R-32 (FFQ-SERIES)



Nominal Capacity (TR)				1.42		1.80	
Model Name	Indoor unit			FFFQ50CV16		FFFQ60CV16	
	Outdoor unit			RZFFQ50CV16		RZFFQ60CV16	
Remote	Wireless	Optional	---	BRC91A1S2			
	Signal Receiver Unit -Model Number		---	BRC7M530W6			
	Wired	Optional	---	BRC1E63			
Panel Code	Without Sensing			BYFQ60CBW6			
Multi Color Strips	Strip Name		---	White	Gray	Black	Wooden Pattern
	Model Name			BDB50RW6	BDB50RH6	BDB50RK6	BDB50RM6
	Power supply		V/Hz/ph	230V/50Hz/1ph			
Cooling capacity -Rated (min ~ max)			kW	5.0 (1.4~5.15)		6.33 (2.6~7.0)	
Power consumption	Cooling-Rated		kW	1.5		1.85	
Annual Power Consumption			kwh	870.31		1100.40	
ISEER / Stars			Wh/Wh	4.45 / 3 Stars		4.45 / 3 Stars	
Indoor Unit	Colour			Galvanized Steel Coated Color			
	Airflow rate (H/HW/W/ML/L)		m³/min	12 / 10 / 7.5		15 / 12.5 / 9.5	
			cfm	436/410/379/364/348		635/587/540/491/443	
	Sound level (H/HW/W/ML/L)		dB(A)	41 / 35 / 28		45 / 41 / 33	
	Dimensions (H×W×D)	Unit	mm	260 x 575 x 575			
		Panel	mm	46 x 720 x 720			
	Weight	Unit	kg	19.5			
		Panel	kg	3.1			
	Drain		mm	VP20 (I.D.Ø20 x O.D.Ø26)			
Outdoor Unit	Colour			Ivorywhite			
	Compressor	Type	---	Hermetically Sealed Swing Type			
		Motor output	kW	0.6		1.2	
	Refrigerant		---	R-32			
	Refrigerant charge		kg	0.79		1.04	
	Sound level	Cooling	dB(A)	54		54	
	Dimensions (H×W×D)		mm	595x845x300			
	Machine weight		kg	29		39	
	Certified Operation range		°CDB	21~52			
Piping connections	Liquid (Flare)		mm	6.35		6.35	
	Gas (Flare)		mm	12.7		15.88	
Max. interunit piping length			m	20			
Max. installation level difference			m	16		15	

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star Rating Applicable as per ISEER Table defined by Bureau of Energy Efficiency (BEE), Ministry of Power.

SINGLE FLOW CASSETTE COOLING ONLY & HEAT PUMP -
2 STAR INVERTER R-32 (FKC/FKA-SERIES)



Nominal Capacity (TR)				1.42	1.85	1.42	1.91
Model Name	Indoor unit			FKCAQ50AV16	FKCF71CRV16	FKAQ50AV16	FKCA71CRV16
	Outdoor unit			RZVFQ50ARV16	RZFC71CRV16	RZKAQ50AV16	RZAC71CRV16
Remote	Wireless	Optional	----	BRC91A157		BRC91A152	
	Signal Receiver Unit -Model Number		----	BRC63AV		BRC63AV	
	Wired	Optional	----	BRC1E63		BRC1E63	
Panel Code	Model Number (Color)		----	BYKQ63AHW (SurfaceColor:White/BaseColor:DarkGrey)			
				BYKQ63AHS (SurfaceColor:Silver/BaseColor:DarkGrey)			
				BYKQ63AW (SurfaceColor:White/BaseColor:White)			
Power supply			----	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz
Cooling capacity -Rated (min ~max)			kW	5.0 (1.8~5)	6.50 (1.98~6.5)	5.0 (1.4 ~5.0)	6.70 (2.3~6.7)
Heating capacity -Rated (min ~max)				X	X	5.0 (1.4 ~5.0)	6.70 (2.5~6.7)
Power consumption	Cooling-Rated		kW	1.65	2.24	1.735	2.93
Annual Power Consumption			kwh	943.39	1274.82	980.22	1250.23
ISEER / Stars			Wh/Wh	4.10 / 2 Star	3.95 / 2 Star	3.95 / 2 Star	4.15 / 2 Star
Indoor Unit	Airflow rate (H/HW/M/ML/L)		m³/min	12.3/11.6/10.7/10.3/9.8	14.3/13.8/13.2/12/10.8	11.58 / 10.76 / 9.99 / 9.62 / 9.25	14.3/13.8/13.2/12/10.8
			cfm	436/410/379/364/348	505/487/466/424/381	409 / 380 / 353 / 340 / 327	505/487/466/424/381
	Sound level (H/L)		dB(A)	38/36/35/34/33	47/46/45/43/41	39 / 37 / 36 / 35 / 34	47/46/45/43/41
	Dimensions Unit (H×W×D)		mm	145 x 1210 x 523			
	Dimensions Panel (H×W×D)		mm	41x1390x595			
	Machine weight		kg	20			
	Panel weight		kg	6.6			
Outdoor Unit	Drain		mm	Ø26Hole			
	Compressor	Type	----	Hermetically Sealed Swing Type			
		Motor output	kW	0.92	1.2	1.3	1.2
	Refrigerant		----	R-32			
	Refrigerant charge R-32		kg	0.98	1.04	0.79	1.2
	Sound level	Cooling	dB(A)	54	54	54	54
	Dimensions (H×W×D)		mm	595x845x300			695x930x350
	Machine weight		kg	31	39	28	39
	Operation range		°CDB	21 to 50	21 to 50	Cooling 21 to 52 / Heating -10 to 18	
Piping connections	Liquid (Flare)		mm	Ø6.35	Ø6.35	Ø6.35	Ø6.35
	Gas (Flare)		mm	Ø12.7	Ø15.88	Ø12.7	Ø15.88
Max. interunit piping length			m	20	20	20	30
Max. installation level difference			m	16	16	16	20

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star Rating Applicable as per ISEER Table defined by Bureau of Energy Efficiency (BEE), Ministry of Power.

ROUND FLOW CASSETTE COOLING ONLY -
3 STAR SERIES R-32 (FCFQ SERIES)



Nominal Capacity (TR)				1.42	2.00	2.56	2.99	3.55	3.98
Model Name	Indoor unit			FCFQ50CV16	FCFQ71CV16	FCFQ90CV16	FCFQ100CV16	FCFQ125CV16	FCFQ140CV16
	Outdoor unit			RZCFQ50CV16	RZCFQ71CV16	RZCFQ90CV16	RZCFQ100CV16	RZCFQ125CV16	RZCFQ140CV16
Remote	Wireless	Optional	----	BRC91A152					
	Signal Receiver Unit -Model Number		----	BRC7M632F-6					
	Wired	Optional	----	BRC1E63					
Panel Code	Without Sensing		----	BYCQ125EAF6					
Power supply			V/Hz/ph	230V/50Hz/1ph				400V/50Hz/3ph	
Cooling capacity -Rated (min ~max)			kW	5.0 (1.8~5.28)	7.1 (2.06~7.1)	9.0 (4.5~9.0)	10.5 (5.0~10.5)	12.5 (5.7~12.5)	14 (6.2~14.0)
Power consumption	Cooling-Rated		kW	1.56	2.13	2.7	3.36	4.35	4.9
Annual Power consumption			kwh	832.21	1235.84	1566.56	2112.89	2514.62	2812.03
ISEER / Stars			Wh/Wh	4.65/3 Star	4.45/3 Star	4.45/3 Star	3.85 / 3 Star	3.85 / 3 Star	3.85 / 3 Star
Indoor Unit	Colour			Galvanized Steel Coated Color					
	Airflow rate (H/HW/M/ML/L)		m³/min	18.5/17.5/16.5/13.5/11	23/21/18.5/16/13.5	34.5/31/27.5/24/20		36.5/33/29/25/21	
			cfm	653/618/583/478/388	812/742/653/565/477	1218/1095/971/848/706		1288/1165/1025/883/742	
	Sound level (H/HW/M/ML/L)		dB(A)	41/39/38/35/34	39/36.5/34/31.5/29.5	46/43.5/40/37/34.5		47/44/42/39/35.5	
	Dimensions Unit (H×W×D)		mm	256x840x840	256x840x840	298x840x840			
	Dimensions Panel (H×W×D)		mm	50x950x950					
	Machine weight		kg	22		25			
	Panel weight		kg	5.5					
Drain		mm	VP25 (I.D. 125, O.D. 132)						
Outdoor Unit	Colour			Ivorywhite					
	Compressor	Type	----	Hermetically Sealed Swing Type					
		Motor output	kW	0.6	1.2	1.6		2.4	
	Refrigerant		----	R-32					
	Refrigerant charge		kg	0.68	1.04	1.30		2.1	
	Sound level	Cooling	dB(A)	54		52		55	
	Dimensions (H×W×D)		mm	595x845x300		695x930x350		990x940x320	
	Machine weight		kg	29	39	48.5		66	
Certified operation range		°CDB	19~52		19~50				
Piping	Liquid (Flare)		mm	6.35		9.52			
Connections	Gas (Flare)		mm	12.7	15.88		15.88		
Max. interunit piping length			m	20	20		30		
Max. installation level difference			m	16	20		30		

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star Rating Applicable as per ISEER Table defined by Bureau of Energy Efficiency (BEE), Ministry of Power.

ROUND FLOW CASSETTE COOLING ONLY -
2 STAR & 1 STAR SERIES NON-INVERTER R-32 (FCQF-SERIES)

R-32

Nominal Capacity (TR)			1.50	2.00	2.50	2.99	3.55	3.75
Model Name	Indoor unit		FCQF18CV16	FCQF24ARV16	FCQF30ARV16	FCQF36ARV16	FCQF42CV16	FCQF48CRV16
	Outdoor unit		RGVF18CV16	RGVF24ASV16	RGVF30ASV16	RGVF36ASV16	RGVF42CV16	RGVF48CRV16
Remote	Wireless	Optional	-----	ARC91A151				
	Signal Receiver Unit -Model Number		-----	---				
	Wired	Optional	-----	3P654629-1 (BRC1F91)				
Panel Code	Model Number		-----	BYCQ48EAF6				
Power supply				1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	1 Phase, 230 V, 50 Hz	3 Phase, 400 V, 50 Hz
Cooling capacity -Rated (min ~max)			kW	5.3	7.03	8.79	10.51	12.31
Power consumption	Cooling-Rated		kW	1342	1.93	2.41	3.14	3.75
Annual Power consumption			kwh	1124	1490.93	1865.6	2428.37	2904.45
ISEER / Stars			Wh/Wh	3.95 / 2 Star	3.65 / 1 Star	3.65 / 1 Star	3.35 / 1 Star	3.28 / 1 Star
Indoor Unit	Colour			Galvanized Steel Coated Color				
	Airflow rate (H/HW/M/L/L)		m³/min	23/21/18.5/16/13.5	23/21/18.5/16/13.5	34.5/31/27.5/24/20	34.5/31/27.5/24/20	36.5/33/29/25/21
			cfm	812/742/653/565/477	812/742/653/565/477	1218/1095/971/848/706	1218/1095/971/848/706	1288/1165/1024/882/742
	Sound level (H/HW/M/L/L)		dB(A)	37/34.5/32/29.5/27.5	37/34.5/32/29.5/27.5	45/41.5/38/35/32.5	45/41.5/38/35/32.5	46/43/40/36/32.5
	Dimensions Unit (HxWxD)		mm	256x840x840	256x840x840	298x840x840	298x840x840	298x840x840
	Dimensions Panel (HxWxD)		mm	50x950x950	50x950x950	50x950x950	50x950x950	50x950x950
	Machine weight		kg	22	22	25	25	25
	Panel weight		kg	5.5				
	Drain		mm	VP25 (I.D. 1 25, O.D. 1 32)				
	Colour			Ivorywhite				
Outdoor Unit	Compressor	Type	-----	Rotary	Rotary	Rotary	Rotary	Rotary
		Motor output	kW	-----	-----	-----	-----	-----
	Refrigerant		-----	R-32				
	Refrigerant charge		kg	1.13	1.21	2.21	2.64	2.05
	Sound level	Cooling	dB(A)	54	56	58	58	60
	Dimensions (HxWxD)		mm	595x845x300	595x845x300	990x940x320	990x940x320	990x940x320
	Machine weight		kg	40	46.5	71	71	74
	Certified operation range		°CDB	19 to 50	19 to 48	19 to 48	19 to 48	19 to 48
Piping Connections	Liquid (Flare)		mm	6.35	6.35	9.5	9.5	9.5
	Gas (Flare)		mm	12.7	15.9	15.9	15.9	15.9
Max. interunit piping length			m	20	20	20	20	30
Max. installation level difference			m	10	10	10	10	15

1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
3. Star rating is applicable for single phase units upto a rated cooling capacity of 10,465 Watts as defined by Bureau of Energy Efficiency, Ministry of Power.
4. Star Rating is now applicable under Voluntary phase for Three phase units above a rated capacity of 10,465 watts as defined by Bureau of Energy Efficiency, Ministry of Power .

DUCTABLE COOLING
R-32 (FDMF-SERIES)

R-32

Nominal Capacity (TR)			1.48	2	2.55	2.99	3.55	3.98	3.55	3.98
Model Name	Indoor Unit		FDMF50BRV16	FDMF71BRV16	FDMF90BRV16	FDMF100BRV16	FDMF125BRV16	FDMF140BRV16	FDMF125BRV16	FDMF140BRV16
	Outdoor Unit		RZMF50BRV16	RZMF71BRV16	RZMF90BRV16	RZMF100BRV16	RZMF125BRV16	RZMF140BRV16	RZMF125BRV16	RZMF140BRV16
Power Supply			1 Phase, 220-240 V, 50 Hz						IDU-1 Phase/ODU-3 Phase, 380-415 V,5 Hz	
Cooling Capacity-Rated (min ~ max)			5.2 (2.3-5.6)	7.1 (3.2-8.0)	9.0 (4.5-10.1)	10.5 (5.0-11.2)	12.5(5.7-14.0)	14.0 (6.2-15.4)	12.5(5.7-14.0)	14.0 (6.2-15.4)
Power Consumption	Cooling-Rated	kW	1.6	2.15	2.7	3.33	4.7	6.1	4.4	5.7
COP		Wh/Wh	3.25	3.3	3.33	3.15	2.66	2.3	2.84	2.46
Indoor Unit	Air Flow Rate (H/M/L)	m³/min	18/15/12.5	23/19.5/16	32/27/22.5	32/27/22.5	40/34/28	40/34/28	40/34/28	40/34/28
		CFM	635/530/441	812/689/565	1130/935/795	1130/935/795	1412/1200/989	1412/1200/989	1412/1200/989	1412/1200/989
	External Static Pressure	Pa	RATED 50 (50-150)*				RATED 50 (50-150)*			
	Sound Level (H/L)	dBA	33/29/26	38/36/34	38/34/32	38/34/32	42/39/35	42/39/35	42/39/35	42/39/35
	Dimensions (HxWxD)	mm	300x1000x700	300x1000x700	300x1400x700	300x1400x700	300x1400x700	300x1400x700	300x1400x700	300x1400x700
	Machine Weight	kg	34	34	43	43	45	45	45	45
	Drain	mm	VP25 (I.D.025, O.D 032)							
Outdoor Unit	Compressor	Type	Hermetically Sealed Swing Type							
		Motor Output kW	1.3	1.3	1.6	1.6	2.4	2.4	2.4	2.4
	Refrigerant		----	R-32						
	Refrigerant Charge		kg	1.09	1.3	2.8	2.8	3.1	3.1	3.1
	Sound Level	Cooling dBA	48	50	51	51	55	55	55	55
	Dimensions (HxWxD)	mm	595x845x300	595x845x300	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
	Machine Weight	kg	36.5	40	57	57	69	69	69	69
	Certified Operation Range		°CDB	19 to 48	19 to 48	19 to 48	19 to 48	19 to 48	19 to 48	19 to 48
	Liquid (Flare)		mm	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Gas (Flare)		mm	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Max. Interunit Piping Length			m	30	30	50	50	50	50	50
Max. Installation Level Difference			m	20	20	30	30	30	30	30

- Note: 1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCTABLE COOLING
R-32 (FDMFQ-SERIES)



Nominal Capacity (TR)			1.42	2	2.55	2.99	3.55	3.98		
Model Name	IDU		FDMFQ50CV16	FDMFQ71AV16	FDMFQ90AV16	FDMFQ100AV16	FDMFQ125AV16	FDMFQ140AV16		
	ODU		RZMFQ50CV16	RZMFQ71AV16	RZMFQ90AV16	RZMFQ100AV16	RZMFQ125AV16	RZMFQ140AV16		
Performan	Rated Cooling Capacity	kW	5.0	7.1	9	10.5	12.5	14		
	Min ~ Max Capacity	kW	1.8~5.3	2.1~7.1	4.5~9	5.0~10.5	5.7~12.5	6.2~14.0		
	Rated Power Input	kW	1.5	2.35	2.9	3.9	4.5	5.5		
	COP	-----	3.67	3.02	3.10	2.76	2.78	2.55		
	Power supply	V/Hz/ph	230V/50Hz/1ph				400V/50Hz/3ph			
	Refrigerent	-----	R-32							
	Casing Color	-----	Galvanized Steel Coated							
Indoor Unit	Air Flow Rate (H/W/L)	m³/min	18/15/12.5	23/19.5/16	32/27/22.5			40/34/28		
	Sound Level (H/W/L)	CFM	635/530/441	812/688/565	1130/953/794			1412/1200/989		
		dBA	35/33/29	40/38/34	39/34/32			42/39/35		
	External Static Pressure	Pa	RATED 50 (50-150)*							
	Dimensions (HxWxD)	mm	300x1000x700			300x1400x700				
	Machine Weight	kg	34			43		45		
	Drain	mm	VP25 (I.D. Ø 25, O.D. Ø 32)							
	Wireless (Optional)	Model No.	BRC4M151W16							
Remote Control	Wired (Optional)	Receiver Kit	BRC4M61-6							
		-----	BRC1E62/BRC1E63							
	Compressor	Type	Hermetically Sealed Swing Type							
Outdoor Unit	Refrigerant	Motor Output kW	0.6	1.2	1.6		2.4			
		kW	R-32							
	Refrigerant Charge	kg	0.79	1.04	1.3		2.1			
	Sound Level	dBA Cooling	52			52		55		
	Dimensions (HxWxD)	mm	595x845x300			695x930x350		990x940x320		
	Machine Weight	kg	29	39	43		66			
	Certified Operation Range	°CDB	19 to 50	19 to 50	19 to 50	19 to 50	19 to 50	19 to 50		
	Liquid (Flare)	mm	6.35	6.35	9.52					
Piping Connections	Gas (Flare)	mm	12.7	15.8	15.88					
Max. Interunit Piping Length		m	20			30				
Max. Installation Level Difference		m	16	20	30					

Note: 1. **Rated cooling** capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. **Anechoic chamber** conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCTABLE COOLING & HEATING
INVERTER R-32 (FDMA-SERIES)



Nominal Capacity (TR)				1.42	2.02	2.99	3.55	3.98	
Model Name	Indoor Unit			FDMA50AV16	FDMA71AV16	FDMA100AV16	FDMA125AV16	FDMA140AV16	
	Outdoor Unit			RZA50AV16	RZA71AV16	RZA00AV16	RZA125AV16	RZA140AV16	
Remote	Wireless	Optional	---	BRC4C65					
	Wired	Optional	---	BRC1E63					
Panel Code	Without Sensing			---					
Power supply				1 Phase, 230V, 50Hz					
Cooling capacity - Rated (min ~ max)				kW	5.00(1.80~5.28)	7.10 (2.50 ~ 8.02)	10.5 (5.0 ~ 11.2)	12.5 (4.03 ~ 13.3)	14.0 (5.01~14.00)
Heating capacity -Rated				kW	5.00	7.1	11.2	13.5	15.0
Power consumption	Cooling-Rated			kW	1.66	1.95	3.40	4.65	5.95
COP				---	3.01	3.64	3.09	2.69	2.35
Indoor unit	Colour				---				
	Airflow rate (H/HM/W/ML/L)			m³/min	18/15/12.5	23/19.5/16	32/27/22.5	40/34/28	40/34/28
				cfm	636/530/441	812/687/565	1130/953/795	1412/1200/989	1412/1200/989
	Sound level (H/HM/W/ML/L)			dB(A)	38/35/33	43/38/34	38 / 34 / 32	43/40/36	43/40/36
	External Static Pressure			Pa	RATED 50 (50-150)*				
	Dimensions (H×W×D)	Unit	mm	300×1000×700	300×1000×700	300×1400×700	300×1400×700	300×1400×700	
		Panel	mm	---					
	Weight	Unit	kg	34	34	43	45	45	
		Panel	kg	---					
	Drain			mm	Ø18 (Hole)	Ø26 (Hole)	Ø26 (Hole)	Ø26 (Hole)	
Outdoor unit	Colour			---	Ivory White				
	Compressor	Type	---	HERMETICALLY SEALED SWING TYPE					
		Motor output	kW	0.92	1.1	3.3			
	Refrigerant			---	R32				
	Refrigerant charge			kg	0.72	1.2	2.9		
	Sound level	Cooling	dB(A)	52			53		
	Dimensions (H×W×D)			mm	595X845X300	930×695×418	990×940×320	990×940×320	990×940×320
	Machine weight			kg	28(35)	47	78		
	Certified operation range			°CDB	-10° C to 52° C			-15° C to 52° C	
Piping connections	Liquid (Flare)			mm	Ø6.4 (Flare)		Ø9.5 (Flare)		
	Gas (Flare)			mm	Ø12.7 (Flare)	Ø15.9 (Flare)			
Max. interunit piping length				m	20	30	50		
Max. installation level difference				m	16	20	30		

Note: 1. **Rated cooling** capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; Outdoor temp. 35°CDB. Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB, Outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5m (horizontal).
2. **Anechoic chamber** conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

TECHNICAL SPECIFICATIONS FIXED SPEED DUCTABLE AC (FDBF/MF-SERIES)

CEILING CONCEALED TYPE (Cooling Only)

R-32

	Product Category	Unit	LSP Duct Series			MSP Duct Series			
Unit	Nominal Capacity	TR	1.0	1.5	2.0	2.5	2.8	3.5	4.0
	Rated Capacity	Watt	3516	5274	7032	8790	9845	12306	14064
	Rated Power Input	Watt	1090	1740	2050	2710	3120	3950	4630
	EER/COP	w/w	3.23	3.03	3.43	3.24	3.16	3.12	3.04
	BEE Star Applicable	----	NA	NA	NA	NA	NA	NA	NA
	Operating Range	IDU (DB/WB)	19/14~35/24			19/14~35/24			
		ODU	19~48			19~48			
Refrigerant	----	R-32			R-32				
Indoor Unit	Model Name	----	FDBF12CRV16	FDBF18CRV16	FDBF24CRV16	FDMF30CRV16	FDMF36CRV16	FDMF42CRV16	FDMF48CRV16
	Casing Size (HxWxD)	mm	250x880x605		250x1130x605	295x1430x665			295x1730x665
	Casing Color	----	Unpainted			Unpainted			
	Power Supply	V/Hz/Ph	230V/50/1Ph			230V/50/1Ph		415V/50/3Ph	
	Air Flow Rate	dm³/(H)	400	600	800	1000	1200	1400	1500
	ESP	Pa	20			20	30	40	50
	Fan Speed	No	3			3	3	3	3
	Sound Pressure Level (Hi)	dBA	36	39	43	43	42	42	49
	Remote Controller (With IDU)	----	Wired Type						
Unit Weight	kg	28	24	34	48	51	51	60	
Outdoor Unit	Model Name	----	RGF12CRV16	RGF18CRV16	RGF24CRV16	RGF30CRV16	RGF36CRV16	RGF42CRV16	RGF48CRV16
	Casing Color	----	Ivory White						
	Casing Size (HxWxD)	mm	550x765x285	595x845x300		990x940x320			
	Power Supply	V/Hz/Ph	230V/50/1Ph			230V/50/1Ph		415V/50/3Ph	
	Max Total Pipe Length	mtr.	20			20		30	
	Max Vertical Pipe Length	mtr.	10			10		15	
	Std Pipe Length	mtr.	7.5			7.5			
	Sound Pressure Level	dBA	51	54	56	58	63		
	Precharge & Service Valve	Yes/No	Yes			Yes			
	Protection Device	----	Inbuilt Top Comp & Motor			Inbuilt Top Comp & Motor		LP/HP/SPPR/UV/OV	
	Piping Size (mm)	Gas	12.7		15.9	15.9		15.9	
		Liquid	6.4			9.5			
	Compressor Type	Type	Rotary			Rotary		Scroll	
	Accumulator	----	Part of Compressor			Part of Compressor		No	
	HE Type/Coating	Type	FTHX (Precoated)			FTHX (Precoated)			
	Weight (Approx)	kg	30	36	45	63	65	69	69
Installation Kit	Yes/No	No			No				

TECHNICAL SPECIFICATIONS FIXED SPEED DUCTABLE AC (FDMR)

R-410A

Model Name		Indoor Unit		FDMR36ERV16
		Outdoor Unit		RR36ERY16
Nominal Capacity		TR	Btu/h	36000
Nominal Total Input Power			kW	10.54
Power Source			W	3750
			V/Ph/Hz	415/3/50
Refrigerant Type				R-410A
Indoor Unit	Control	Operation		Wired Control
	Air Flow	High	cfm	1200
		Medium	cfm	1040
		Low	cfm	880
	External Static Pressure		Pa	30
	Sound Pressure Level		dBA	53
	Unit Dimension	Height	mm	375
		Width	mm	780
		Depth	mm	560
	Packing Dimension	Height	mm	380
		Width	mm	945
		Depth	mm	570
	Unit Weight		kg	31
	Condensate Drain Size		mm	32
Outdoor Unit	Unit Dimension	Height	mm	700
		Width	mm	1025
		Depth	mm	410
	Packing Dimension	Height	mm	715
		Width	mm	1130
		Depth	mm	455
	Unit Weight		kg	66
	Pipe Connection	Type	-----	Brazing
		Liquid	mm	9.52
		Gas	mm	15.87
Refrigerant Charge		kg	2.65	

Note: 1. Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; Outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5m (horizontal).
2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

Notes

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.